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                                      STATE:
Sequence 4, Appli
Sequence 30, Appl
Sequence 100, Appl
Sequence 4, Appli
Sequence 100, Appl
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Sequence 100, Appli
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                                                                                                                              August 16, 2007, 22:48:51; Search time 73 Seconds (without alignments) 43.032 Million cell updates/sec
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Sequence 1
Sequence 4
Sequence 3
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Sequence 3
Sequence 1
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Sequence 1
Sequence 4
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                    GenCore version 6.2.1
Copyright (c) 1993 - 2007 Biocceleration Ltd.
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US-08-940-095-4
US-08-940-096-30
US-08-940-096-30
US-09-465-719-4
US-09-465-719-100
US-08-942-597-1
US-09-453-605-4
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US-09-453-841-100
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1 PVLDLFRELLNELLEALKQKLK 22
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Maximum Match 100%
Listing first 45 summaries
                                                                                                OM protein - protein search, using sw model
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Maximum DB seq length: 200000000
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Perfect score:
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                                                                                                                                                                                                                                                           Sequence:
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30, Appl
100, App
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APPLICANT: Sekul, Renate
APPLICANT: Sekul, Renate
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
APPLICANT: Dufourcq, Jean
TITLE OF INVENTION: APOLIPOPROTEIN A-I ACONISTS
NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                              Sequence
Sequence
Sequence
Sequence
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Sequence
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US-09-453-833-30
US-09-453-833-100
US-09-453-826-4
US-09-453-826-10
US-09-453-826-10
US-09-453-840-4
US-09-453-840-100
US-09-453-840-100
US-09-865-989-4
US-09-865-989-100
US-09-865-989-100
US-09-865-989-100
US-09-453-834-100
US-09-453-834-100
US-10-283-599-30
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FESTSEN Version 2.0
CURRENT APPLICATION NUMBER: US/08/940,095
FILING DATE: 29-SEP-1997
CLASSIPICATION STA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSER: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4, Application US/08940095
Patent No. 6004925
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Coruzzi, Laura A
REGISTRATION UNDBER: 30,742
REFERENCE/DOCKET NUMBER: 0091
TELECOMMUNICATION INFORMATION:
TELEPAN: 650-493-556
TELERA: 660-493-556
TELEX: 66141 PENNIE
INPORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: No. 6004925e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
ATTORNEY/AGENT INFORMATION:
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amino acid
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ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Other
                                                                                                                                                                                                                                                                                                                                                                                 USA
      JS-08-940-095-100
                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-940-093-4
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                                             Gaps
                                                                                                                                                                                                                   Sequence 30, Application US/08940095

Patent No. 6004925

GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Cornut, Isabelle
APPLICANT: Gornut, Isabelle
APPLICANT: Metz, Gunther
APPLICANT: Dufourcq, Jean
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
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Query Match

100.0%; Score 105; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 4.9e-07;
Matches 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: 1...22
COTHER INFORMATION: N-terminal dansylated peptide US-08-940-095-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM: DOS
SOCTWARE: Reatisty Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,095
FILING DATE: 29-5EP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: COTUZZi, Laura A
REGISTRATION NUMBER: 09196-0004-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFRAK: 650-493-556
TELERAK: 650-493-556
TELERAK: 65141 PENNIE
INFORMATION FOR SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Pennie & Edmonde LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
                                                                                    1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible OPERATING SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
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Best Local Similarity
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1 PVLDLFRELLNELLEALKOKLK 22

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                                                                                                                                        APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Scrutt, Islaus
APPLICANT: Cornut, Islaus
APPLICANT: Onther
APPLICANT: Metz, Gunther
APPLICANT: Metz, Gun
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CTHER INFORMATION: All amino acids are in the D-configuration US-08-940-095-100
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100.0%; Pred. No. 4.9e-07;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,095
FILING DATE: 29-SEP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
ADDRESSE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
Sequence 100, Application US/08940095
Patent No. 6004925
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 PVLDLFRELLNELLEALKOKLK 22
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Patent No. 6037323
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELERAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS:
LENGTH: 22 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REPERENCE/DOCKET NUMBER: 00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sekul, Renate
Buttner, Klaus
Cornut, Isabelle
Metz, Gunther
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 22; Conservative
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APPLICANT:
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NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0006-999
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ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOCTWARE: FRASERO Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,093
FILING DATE: 29-SEP-1997
CLASSIPICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEB: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                         US/08/940,093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: No. 6037323e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.
Matches 22; Conservative
CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-940-093-100
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COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-940-093-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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APPLICANT: Baseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Sekul, Renate
APPLICANT: Battner, Klaus
APPLICANT: Metz, Gunther
TILLE OF INVENTION: APOLIPOPROTEIN A-1 AGONISTS
TITLE OF INVENTION: APOLIPOPROTEIN STOTEL OF INVENTION: APOLIPOPROTEIN STOTE OF INVENTION STOTE OF INVENTION STOTE OF INVENTION STOTE OF INVENTION STOTE OF INVENTION
   TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                        COUNTY: NA
COUNTY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKette
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: TESTER COMPATIBLE
COMPUTER: POSS
SOFTWARE: FactSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,093
FILING DATE: 29-SEP-1997
CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: COTUZZi, LAUTA A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELETAX: 66141 PENNIE
TELETAX: 66141 PENNIE
TELETAX: 66141 PENNIE
TELETAX: 66141 PENNIE
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
TVANDE: AMINO acids
TVANDE: AMINO acids
                                                                   NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 PVLDLFRELLNELLEALKQKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 30, Application US/08940093 Patent No. 6037323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6037323e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-940-093-30
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Sequence 100, Application US/08940093

| Patent No. 6037323
| GENERAL INFORMATION:
| APPLICANT: Dasseux, Jean-Louis |
| APPLICANT: Buttner, Klaus |
| APPLICANT: Buttner, Klaus |
| APPLICANT: Cornut, Isabelle |
| APPLICANT: Metz, Gunther |
| TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS |
| TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS |
| CORRESPONDENCE ADDRESS: |
| ADDRESSEE: Pennie & Edmonds LLP |
| ADDRESSEE: PENNIE |
| ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Other
LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 105; DB 2; 100.0%; Pred. No. 4.9e-07;
PILING DATE: 29-SEP-1997
CLASSIFICATION: 435
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PILING DATE:
PILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: COLUZZI, LAULA A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 30,742
RELEPAK: 660-493-555
TELEPAK: 660-493-555
TELEPAK: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
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Gaps

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Length 22; Indels

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APPLICANT: Setul, Renate
APPLICANT: Buttor, Kanase
APPLICANT: Buttor, Kanase
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
APPLICANT: Metz, Gunther
APPLICANT: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 105; DB 2; 100.0%; Pred. No. 4.9e-07;
                                                    100.0%; Score 105; DB 2; 100.0%; Pred. No. 4.9e-07;
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                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: LL. DOS
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,096
APPLICATION NUMBER: US/08/940,096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SSEE: Pennie & Edmonds LLP
T: 1155 Avenue of the Americas
New York
                                                                                                                                                                                                              1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                               1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                                                                                                                                                                                    Sequence 30, Application US/08940096
Patent No. 6046166
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .;
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                                                 Query Match
Best Local Similarity 100.0
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 29-SEP-19
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                           US-08-940-096-30
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US-08-940-096-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
MANDERS
                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: Other
1.02ATION: 1...22
1.0CATION: 1...22
1.0THION: All amino acids are in the D-configuration US-08-940-093-100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 105; DB 2;
Pred. No. 4.9e-07;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER:
PILING DATE:
ATTORNEY DATE:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFENCE/DOCKET NUMBER: 30,742
TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,096
FILING DATE: 29-SRE-1997
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 PVLDLFRELLNELLEALKOKLK 22
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Patent No. 6046166
GENERAL INFORMATION:
                     TELEPHONE: 650-493-4935
TELEFAX: 650-493-556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOCY: linear
TOPEL TOPOLOCY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
100.0%;
Best Local Similarity 100.0%;
Matches 22; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 650-499-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JS-08-940-096-4
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Gaps

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Indels

Length 22;

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NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERRUCE/DOCKET NUMBER: 009196-0006-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                         COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/465,719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 PVLDLFRELLNELLEALKOKLK 22
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; Sequence 30, Application US/09465719
; Patent No. 6265377
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,093
FILING DATE: 29-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASESEQ Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , MOLECULE TYPE: No. 6265377e
US-09-465-719-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 10036-2811
COMPUTER READABLE FORM
MEDIUM TYPE: Disket
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
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    Sequence 100, Application US/08940096
Fatent No. 6046166
GENERAL INFORMATION:
APPLICANT: Beature, Klaus
APPLICANT: Buttner, Klaus
APPLICANT: Buttner, Klaus
APPLICANT: Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 258
CORRESCONDENCE ADDRESS:
ADDRESSE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY. New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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COTHER INFORMATION: All amino acids are in the D-configuration US-08-940-096-100
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100.0%; Score 105; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 4.9e-07;
Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
APPLICANT: Buttner, Isabelle
APPLICANT: Merz, Gunther
ITLE OP INVENTION: APOLIPOPROTEIN A-1 AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: COTUZZI, LAUTE A
REGISTRATION NUMBER: 30,742
REFRENCE/DOCKET NUMBER: 009196-0005-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEFRAX: 660-493-556
TELEFRAX: 660-493-556
TELEREX: 66141 FENNIE
INFORMATION FOR SEQ. ID NO:
SEQUENCE CHARACTERISTICS:
LENNITH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,096
FILING DATE: 29-SEP-1997
CLASSIFICATION: 530
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; Sequence 4, Application US/09465719
; Patent No. 6265377
; GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: No. 6046166e
                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: Other
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-08-940-096-100
                                                                                                                                                                                                                                                                                                                                                         STATE: NI
COUNTRY:
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Gaps
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APPLICANT: Sekul, Renate
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
TITLE OF INVENTION: AND THEIR USB TO TREAT DYSLIPIDEMIC DISORDERS NUMBER OF SEQUENCES: 258
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
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COMPUTER READABLE FORM:
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/942,597
FILING DATE: OS-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE OF THE STATE OF THE STATE OF THE STATE OF TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                      1 PVLDLFRELLNELLEALKOKLK 22
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NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
                                                                                                                                                                                                MOLECULE TYPE: No. 6265377e
                    TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 10
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
TYPE: amino acid
STRANDEDNESS: single
    650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 22; Conservative
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TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 02-OCT-1
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                                                                                                                            TOPOLOGY: linear
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TELEPHONE:
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STATE:
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Patent No. 6265377
GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Buttner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Gorut, Isabelle
APPLICANT: Metz, Gunther
TITLE OF INVENTION: APPLICOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 258
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i OTHER INFORMATION: N-terminal dansylated peptide
US-09-465-719-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 105; DB 2; Best Local Similarity 100.0%; Pred. No. 4.9e-07; Matches 22; Conservative 0; Mismatches 0;
        FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,093
FILING DATE: 29-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: COCTUZI, Laura 30,742
REFERENCE/DOCKET NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0006-999
TELEPHONE: 650-493-4935
TELEPHONE: 650-493-4935
TELEFAX: 6614 PERNIE
INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0006-999
TELECOMMUNICATION INFORMATION:
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STREET: 1155 Avenue of the Americas
CITY: New York
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COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/465,719
    APPLICATION NUMBER: US/09/465,719
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,093
FILING DATE: 29-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: No. 6265377e
                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie &
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COMPUTER READABLE FORM:
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                                                                                                                                                         Gaps
i LOCATION: 1...22
; OTHER INFORMATION: All amino acids are in the D-configuration US-09-465-719-100
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                                                                                                   Query Match 100.0%; Score 105; DB 2; Length 22; Best Local Similarity 100.0%; Pred. No. 4.9e-07; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/08942597;
Sequence 1, Application US/08942597;
Fatent No. 6287590;
GENERAL INFORMATION:
TITLE OF INVENTION: PR CO-LYOPHILIZATION:
TITLE OF INVENTION: BY CO-LYOPHILIZATION:
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
STREET: 1155 Avenue of the Americas
CITY: New York:
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US-09-453-605-30
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Sekul, Renate
Buttner, Klaus
Cornut, Isabelle
Mez, Gunther
Dufourcq, Jean
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FESTERN DOS
SOFTWARE: FESTERN DATA
APPLICATION DATA
FILING DATE: 26-NO. 6129341-1999
CLASSIFICATION: CUNCOWN>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,095
FILING DATE: CUNCOWN>
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
REFERENCE/DOCKET NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0004-999
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: linear
; MOLECULE TYPE: No. 6329341e
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-453-605-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 30, Application US/09453605;
Patent No. 6329341;
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
Sexul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 PVLDLPRELLNELLEALKQKLK 22
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                                                                                                                                         Sequence 4, Application US/09453605
Patent No. 6329341
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
                     1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 650-493-4935
TELEFAX: 650-493-556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
PVLDLFRELLNELLEALKOKLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Buttner, Klaus
                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: NY
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                                                                                                                            US-09-453-605-4
                                                                                                  RESULT 14
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Cornut, Isabelle
Metz, Gunther
Dufourcq, Jean
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: Other L...25 LOCATION: 1...25 OTHER INFORMATION: N-terminal dansylated peptide SEQUENCE DESCRIPTION: SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
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NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REPERENCE/DOCKET NUMBER: 009196-0004-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.0%; Pred. No. 4.9e-07;
Matches 22; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                             CURRENTING SYSTEM: DOS
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/453,605
FILING DATE: 26-No. 6329341-1999
CLASSIERCATION: «UNKNOWN»
PRIOR APPLICATION NUMBER: 08/940,095
                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
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Job time : 74 secs
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                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
MOLECULE TYPE: No. 6329341e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: single
                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                              CITY: New York
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Appli

Sequence Sequence Sequence

Sequence Sequence Sequence Sequence Sequence

Sequence

Sequence Sequence Sequence Sequence

Sequence

Searched:

Database

Result Š. Sequence:

Run on:

Sequence Sequence

Sequence

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Buttner, Klaus
Cornut, Isabelle
Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 009196-0006-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
US-10-991-217-100
US-10-099-574A-4
US-10-099-574A-30
US-10-099-574A-100
US-10-715-895-4
US-10-715-895-30
US-11-482-292-4
US-11-482-292-4
US-11-482-292-100
US-11-482-292-100
US-11-683-784-1
US-09-865-989-7
US-10-099-574A-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-099-836B-7
US-10-801-807-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/865,989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 25-May-2001
CLASSIPICATION: cUnknown>
PRIOR APPLICATION UNBER: 09/465,719
APPLICATION NUMBER: 09/465,719
ATTORIEY AGENT INPORMATION:
REGISTRATION NUMBER: 30,742
                                                                                                                                                                                                                                                                                                ALIGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: No. US20030008827Ale

SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-865-989-4
                                                                                                                                                                                                                                                                                                                                                                     Sequence 4, Application US/0965989
Publication No. USZ0030008827A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                               Sekul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                       August 16, 2007, 22:49:31 ; Search time 300 Seconds (without alignments) 59.976 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Description
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                   GenCore version 6.2.1
Copyright (c) 1993 - 2007 Biocceleration Ltd.
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US-10-283-599-4
US-10-283-599-100
US-10-283-599-100
US-10-802-080-4
US-10-802-080-30
US-10-802-080-100
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US-10-099-574A-4
US-10-099-574A-30
US-10-099-574A-100
US-10-252-940-1
US-10-099-836B-4
US-110-099-836B-4
                                                                                                                                                                                                                                                                                                  Potal number of hits satisfying chosen parameters:
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Published Applications AA Main:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-801-897-4
                                                                                                                                                                                                                                                                     3552611 segs, 817857308 residues
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                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                             1 PVLDLFRELLNELLEALKOKLK 22
                                                                             OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                             Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Match Length
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100.0
100.0
100.0
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Scoring table:
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US-09-865-989-4
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Cornut, Isabelle
Metz, Gunther
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
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                                                ;
         Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 105; DB 3; Length 22; 100.0%; Pred. No. 1.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNAY CAGNT INFORMATION:

NAME: COTUZZI, LAURA A

REGISTRATION NUMBER: 30,742

REFERENCE/COCKET NUMBER: 009196-0006-999

TELEPHONE: 650-493-4935

TELEPHONE: 650-493-556

TELEPK: 66141 PENNIE

INFORMATION FOR SQ 1D NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
     Score 105; DB 3;
Pred. No. 1.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/865,989
FILING DATE: 25-May-2001
CLASSIFICATION: «Unknown»
PRIOR APPLICATION NUMBER: 09/465,719
FILING DATE: 17-DEC-1999
                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: No. US20030008827Ale
                                                                                                                                                                                      US-09-865-989-30
Sequence 30, Application US/09865989
Publication No. US20030008827A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                      1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: single
     100.0%;
ilarity 100.0%;
Conservative 0
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Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
Query Match
Best Local Similarity
Matches 22; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-865-989-30
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RESULT 3

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                                                                                                                 Buttner, Klaus
Cornut, Isabelle
Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-1 AGONISTS
AND THEIR USE TO TREAT DYSLIPEDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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APPLICATION NUMBER: US/09/865,989
FILING DATE: 25-May-2001
CLASSIFICATION NUMBER: US/09/865,989
PRIOR APPLICATION NUMBER: 09/465,719
FILING DATE: 17-DEC-199
ATTORNEY/AGENT INFORMATION:
NAME: COTULET, LAURE A
REGISTRATION NUMBER: 009196-0006-999
TELECHONEY CATION INFORMATION:
TELECHONEY CATION INFORMATION:
TELECHONES: 650-493-5556
TELERA: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Buttner, Klaus
Cornut, Isabelle
Metz, Gunther
Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 105; DB 3;
100.0%; Pred. No. 1.8e-07;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: No. US20030008827Ale
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: FastSEQ Version 2.0
Sequence 100, Application US/09865989
Publication No. US20030008827A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
Sekul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Dasseux, Jean-Louis
Sekul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 PVLDLFRELLNELLEALKOKLK 22
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Publication No. US20040029807A9
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 100...
Best Local Similarity 100...
                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
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CURRENT APPLICATION DATA:
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Best Local Similarity
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Cornut, Isabelle
Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-1 AGONISTS
AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
  AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/465,719
FILING DATE: 17-DEC-1999
ATORNEY/ART INFORMATION:

NAME: COTUZZI, LAUTEA
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0006-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEPHONE: 650-493-4936
TELEPHONE: 650-493-6566
                                                                                                                                                                          COMPTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/865,989
FILING DATE: 25-MAY-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                               CORRESPONDENCE ADDRESS:
ADDRESSE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: No. US20040029807A9e
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: PastSEQ Version 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 5
US-09-865-989-30
; Sequence 30, Application US/09865989
; Publication No. US20040029807A9
; GENERAL INFORMATION:
; APPLICANT: Dasseux, Jean-Louis
; APPLICANT: Sekul, Insue
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ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 258
                          NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-865-989-4
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APPLICANI: Describer Sekul, Renate Sekul, Renate Buttner, Klaus Cornut, Isabelle Metz, Gunther Metz, Gunther TITLE OF INVENTION: APOLIPOPROTEIN A-I ACONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: Other
LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
APPLICATION NUMBER: US/09/865,989
FILING DATE: 25-May-2001
CLASIPICATION: cUbknown>
PRIOR APPLICATION DATE:
APPLICATION NUMBER: 09/465,719
FILING DATE: 17-DEC-1999
ATTORNEY, AGENT INFORMATION:
NAME: CORUZZI, LAULE A
REGISTRATION NUMBER: 30,742
REFERENCE, DOCKET NUMBER: 009196-0006-999
TELEPHONE: 650-493-4955
TELEPHONE: 650-493-4955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 105; DB 3; 100.0%; Pred. No. 1.8e-07;
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: 25-May-2001
CLASSIFICATION: «Unknown»
PRIOR APPLICATION: «Unknown»
REGISTRATION NUMBER: 09/465,719
ATTORNEY/AGENT INFORMATION:
NAME: COFLUZZI, LAULER A
REGISTRATION NUMBER: 30,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSER: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: No. US20040029807A9e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 100, Application US/09865989
Publication No. USZ0040029807A9
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
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                                                                                                                                                                                                                                                                                                                               TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 30.
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
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LOCATION:
                                          US-10-099-574A-4
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                                                                                                                                                                                                                                                                               NAME/KEY: Other
LOCATION: 1...22
OTHER INVESTMENT All amino acids are in the D-configuration SEQUENCE DESCRIPTION: SEQ ID NO: 100:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4, Application US/10099574A
Publication No. US20030060604A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
APPLICANT: Sekul, Renate
APPLICANT: Sekul, Renate
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 254
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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REFERENCE/DOCKET NUMBER: 009196-0006-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-5556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           009196-0005-999
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ZIP: 10036-2811
COMPUTER READBALE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM COMPALIBLE
OPERATING SYSTEM: DOS
SOFTWARE: FastESQ Version 2.0
CURRENT APPLICATION NUMBER: US/10/099,574A
FILING DATE: 29-SEP-1997
CLASSIFICATION:
                                                                                                                                                                       TYPE: amino acid
STRANDENESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. US20040029807A9e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SSEE: Pennie & Edmonds LLP
[: 1155 Avenue of the Americas
New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: COTUZZI, LAULA A
REGISTRATION NUMBER: 30,742
REFRENCE/DOCKET NUMBER: 00915
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELERX: 660-493-556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                  TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 22 amino acids
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STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                    US-09-865-989-100
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US-10-099-574A-4
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APPLICANT: Bekl, Renate
APPLICANT: Butner, Klaus
APPLICANT: Butner, Klaus
APPLICANT: Cornut, Isabelle
TITLE OF INVENTION: APPLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION: AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
NUMBER OF SEQUENCES: 254
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & PA---
REDEAUGHOUSE ADDRESS:
                                                                                                                     Gaps
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                                                                             100.0%; Score 105; DB 4; Length 22; 100.0%; Pred. No. 1.8e-07;
                                                                                                                   0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: 1...22 OTHER INFORMATION: N-terminal dansylated peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 105; DB 4; 100.0%; Pred. No. 1.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   009196-0005-999
                                                                                                                   0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UMBER: US/10/099,574A
29-SEP-1997
TOPOLOGY: linear MOLECULE TYPE: No. US20030060604Ale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: No. US20030060606Ale
                                                                                                                                                                                                                                                                      US-10-099-574A-30
; Sequence 30, Application US/10099574A
; Publication No. US20030060604A1
; Publication No. US20030060604A1
; APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
SOFTWARE: PastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/099, S'
FILING DATE: 29-SEP-1997
CLASSIFICATION:
PRIOR APPLICATION:
APPLICATION NUMBER:
FILING DATE:
FILING DATE:
TILING DATE:
TOWNSTERN THORMATION:
                                                                                                                                                        1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                            1 PVLDLFRELLNELLEALKOKLK 22
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TELEX: 6614 PENNIE
FINOURATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
TOWATH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 0091
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
TELEPAX: 650-493-5556
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                                                                                                                   Matches 22; Conservative
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Best Local Similarity 100.
Matches 22; Conservative
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                                                                               Query Match
Best Local Similarity
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                                                                                                                                                                                APPLICANT: Dasseux, Jean-Louis
APPLICANT: Bekul, Renate
APPLICANT: Sekul, Renate
APPLICANT: Buttner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Manner, Manner
APPLICANT: Manner, Gunther
APPLICANT: Macz, Gunther
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
TITLE OF INVENTION A-I AGONISTS
TITLE OF 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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Publication No. US20030099714A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
TITLE OF INVENTION: BY CO-LYOPHILIZATION
BY CO-LYOPPILIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    009196-0005-999
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: No. US20030060604Ale
                                             Sequence 100, Application US/10099574A Publication No. US20030060604A1 GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PVLDLFRELLNELLEALKOKLK 22
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SOFTWARE: FASTEM Version 2.0
CURRENT PAPPLICATION DATA:
APPLICATION NUMBER: US/10/noo
FILING NATE.
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APPLICATION NUMBER:
PILING DATE:
ATORNEY/AGENT INFORMATION:
NAME: COTUZZI, LAUKA A
REGISTRATION NUMBER: 30,742
REPERENCE/DOCKET NUMBER: 00919
TELECOMMUNICATION INFORMATION:
TELERAX: 650-493-5556
TELEFAX: 650-493-5556
T
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-099-574A-100
JS-10-099-574A-100
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Dufourcg, Jean
TITLE OF INVENTION: APOLIPOPROTEIN A-1 AGONISTS
AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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0
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                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/252,940
FILING DATE: 23-Sep-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/942,597
FILING DATE: 02-007-1997
ATTORNEY AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 9196-0008-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 105; DB 4;
100.0%; Pred. No. 1.8e-07;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                         ADDRESSEE: Pennie & Edmonds, LLP
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM: DOS
SOFTWARE: FREISBQ VETSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/099,836B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 4, Application US/10099836B; Publication No. US2003203842A1
; GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 PVLDLFRELLNELLEALKOKLK 22
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Buttner, Klaus
Cornut, Isabelle
Metz, Gunther
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 22 amino acids
                                                                                                              COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 650-493-5556
TELEX: 6614 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sekul, Renate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 254
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 100.
Matches 22; Conservative
                                                                      CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 11
US-10-099-836B-4
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Gaps

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RESULT 13
US-10-099-836B-100
; Sequence 100, Application US/10099836B
; Publication No. US20030203842A1
; GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
; APPLICANT: Basseux, Jean-Louis
; Buttner, Klaus
; Cornut, Isabelle
; Metz, Gunther
; Dufourcq, Jean
; TITLE OF INVENTION: APOLIPOPROTEIN A-1 AGONISTS
AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
                                                                                                                                                                                                                                                                                                                                                              ;
                                                                                                                                    NAME/KEY: Other
LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: COTZZ1, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0004-999
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 105; DB 4; Best Local Similarity 100.0%; Pred. No. 1.8e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/099, 836B
FILING DATE: 28-Aug-2002
CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                        TOPOLOGY: linear
MOLECULE TYPE: No. US20030203842Ale
PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: No. US20030203842Ale PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                      1 PVLDLFRELLNELLEALKQKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: 650-493-4935
                       SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 650-493-5556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 100:
                                                                 TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
INFORMATION FOR SEQ ID NO: 30:
                                                                                                                                                                                                                                                                                                                                                            22; Conservative
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Publication No. US20030203842A1
GENERAL INFORMATION:
APPLICANT: Dasseux, Jean-Louis
Butner, Klaus
Cornut, Isabelle
Metz, Gunther
Diffourcq, Jean
TITLE OF INVENTION: APOLIPOPROTEIN A-I AGONISTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 100.0%; Score 105; DB 4; Length 22; Best Local Similarity 100.0%; Pred. No. 1.8e-07; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: COTUZZI, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0004-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-5556
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT ITES COMPACTOR
COMPUTER: IBM COMPACTOR
COPERATING SYSTEM: DOS
SOFTWARE: FASTEM: DOS
SOFTWARE: FASTEM: DOS
SOFTWARE: FASTEM: DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/099,836B
FILING DATE: 28-Aug-2002
CLASSIFICATION ATA:
APPLICATION NUMBER: «Unknown>
FILING DATE: «Unknown>
FILING DATE: «Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: COTUZZI, LAUTE A
REGISTRATION UNDRER: 30,742
REFERENCE/DOCKET NUMBER: 009196-0004-9
TELECOMMUNICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: No. US20030203842Ale
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-099-8365-4
                    CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 PVLDLFRELLNELLEALKOKLK 22
FILING DATE: 28-Aug-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: 650-493-4935
TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
                                                                                                                                                                                                                                                               TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: USA
ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 254
                                                                                                                                                                                                                                                                                                                                                              FYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-099-836B-30
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RESULT 15
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                                                                                                                                                             ö
LOCATION: 1...22 OTHER INFORMATION: All amino acids are in the D-configuration SEQUENCE DESCRIPTION: SEQ ID NO: 100:
                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Sakul, Fenate
APPLICANT: Sakul, Fenate
APPLICANT: Butiner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Cornut, Isabelle
APPLICANT: Metz, Gunther
APPLICANT: Dufourcq, Jean
TITLE OF INVENTION: GENE THERAPY APPROACHES TO
TITLE OF INVENTION: USE TO TREAT DYSLIPIDEMIC DISORDERS.
NUMBER OF SEQUENCES: 274
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie C - - -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                            Ouery Match 100.0%; Score 105; DB 4; Length 22; Best Local Similarity 100.0%; Pred. No. 1.8e-07; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/POCKET NUMBER: 009196-0007-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPPRATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/283,599
FILING DATE: 29-OCT-2002
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,136
FILING DATE: 25-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1155 Avenue of the Americas CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear _ MOLECULE TYPE: No. US20030208059Ale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                         1 PVLDLFRELLNELLEALKQKLK 22
                                                                                                                                                                                                                                  1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                             Sequence 4, Application US/10283599; Publication No. US20030208059A1; GENERAL INFORMATION: APPLICANT: Dasseux, Jean-Louis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 22 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           650-493-5556
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 10036-2811
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
STRANDEDNESS: sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                     US-10-099-836B-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-283-599-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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PVLDLFRELLNELLEALKQKLK 22

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US-10-283-599-30

Sequence 30, Application US/10283599
Publication No. US20030208059A1
GENERAL INFORMATION:
APPLICANT: Bearl.
APPLICANT: Buttner, Klaus
APPLICANT: Cornut, Isabelle
APPLICANT: Cornut, Sabelle
APPLICANT: Cornut, Sabelle
APPLICANT: Cornut, Sabelle
APPLICANT: William Cornut, Sabelle
APPLICANT: Cornut, Sabelle
APPLICANT: Outour Jean
TITLE OF INVENTION: SUSPIV APOLIPOPROTEIN A-1 AGONISTS AND THEIR
TITLE OF INVENTION: USE TO TREAT DYSLIPIDEMIC DISORDERS.
NUMBER OF SEQUENCES: 274
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: 1...22
OTHER INFORMATION: N-terminal dansylated peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 105; DB 4;
100.0%; Pred. No. 1.8e-07;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       009196-0007-999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEO Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US.10/283,599
FILING DATE: 29-OCT-2002
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,136
FILING DATE: 29-SEP-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Search completed: August 16, 2007, 22:55:39 Job time : 301 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: No. US20030208059Ale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REPERENCE/DOCKET NUMBER: 005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-493-4935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 650-493-5556
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 30: SEQUENCE CHARACTERISTICS:
LENGTH: 22 amino acids
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ZIP: 10036-2811
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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STRANDEDNESS: sir
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Best Local Similarity
Matches 22; Conserv
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November 2005

generate two sets of results each. The Published_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being Published_Applications Nucleic Acid and Published_Applications Amino Acid database searches now available for processing searches. Newly published applications will appear in the Published_Applications_New databases; older published applications make up the Published Applications Main databases. Searches run against Nucleic Acid Published_Applications produce two sets of results, with the extensions Searches run against Amino Acid Published_Applications produce two sets of results, with the extensions .rnpbm (Published_Applications_NA_Main) and .rnpbn (Published_Applications_NA_New). .rapbm (Published_Applications_AA_Main) and .rapbn (Published_Applications_AA_New).

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US-10-533-069-452
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Sequence 452, App
Sequence 2136, Ap
Sequence 1039, Ap
Sequence 1070, Ap
Sequence 1043, App
Sequence 1142, App
Sequence 1156, Ap
Sequence 1156, Ap
Sequence 1156, Ap
Sequence 365, App
Sequence 37, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 24, Appl
Sequence 23, Appl
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116, App
23, Appl
1316, Ap
121, App
943, App
100, App
23, Appl
192, App
192, App
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| RMC Celerra SIDS2/ptodata/1/pubpaa/USIO NEW PUB.pep:*
| FBMC Celerra SIDS2/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
| RMC Celerra SIDS2/ptodata/1/pubpaa/USO7 NEW PUB.pep:*
| FBMC Celerra SIDS2/ptodata/1/pubpaa/USO9 NEW PUB.pep:*
| FBMC Celerra SIDS2/ptodata/1/pubpaa/USO9 NEW PUB.pep:*
| FBMC Celerra SIDS2/ptodata/1/pubpaa/USO9 NEW PUB.pep:*
| FBMC Celerra SIDS2/ptodata/1/pubpaa/USO1 NEW PUB.pep:*
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                                                                                                 August 16, 2007, 22:50:51; Search time 7 Seconds (without alignments) 3.121 Million cell updates/sec
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Sequence 3
Sequence 1
Sequence 2
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Sequence
Sequence
GenCore version 6.2.1
Copyright (c) 1993 - 2007 Biocceleration Ltd.
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US-10-533-069-452
US-10-533-069-1216
US-10-533-069-1039
US-10-533-069-1039
US-10-533-069-1070
US-10-533-069-1070
US-10-533-069-1156
US-10-533-069-1158
US-10-533-069-1158
US-10-533-069-1158
US-10-533-069-1168
US-11-657-313-24
US-11-657-313-24
US-11-657-313-24
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US-11-657-313-24
US-11-657-313-24
US-11-657-313-24
US-11-657-313-069-100
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US-11-539-856-31
US-11-725-235-192
US-11-725-235-170
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1 PVLDLFRELLINELLEALKOKLK 22
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Maximum Match 100%
Listing first 45 summaries
                                                                       OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Perfect score:
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No.
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Sequence 1050, Application US/10533069

Publication No. US20070186017A1

GENERAL INFORMATION:

APPLICANT: AGGARWAL, SUDEPTA

APPLICANT: GURNEY, AUSTIN L.

APPLICANT: GURNEY, AUSTIN L.

APPLICANT: WILLIAMS, P. MICKEY

APPLICANT: WU, THOWAS D.

ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE

ITILE OF INVENTION: RELATED DISEASES

FILE REFERENCE: P1992R1 US

CURRENT APPLICATION NUMBER: US/10/533,069

CURRENT APPLICATION NUMBER: US/05-04-28

PRIOR APPLICATION NUMBER: US 60/422,472

PRIOR FILING DATE: 2003-10-29

NUMBER OF SEQ ID NOS: 2442

SEQ ID NO 1050

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236, App
735, App
860, App
1015, Ap
292, App
1600, Ap
725, App
855, App
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1172, Ap
9, Appli
10, Appl
1976, Ap
74, Appl
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1, Appli
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2, Appli
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42.1%; Pred. No. 13;
tive 7; Mismatches 4; Indels
          US-11-533-069-735
US-10-533-069-860
US-10-533-069-860
US-11-551-744-292
US-10-533-069-1600
US-10-533-069-128
US-10-533-069-128
US-10-533-069-128
US-10-533-069-128
US-10-533-069-128
US-10-533-069-1976
US-11-656-389-15
US-11-656-389-15
US-11-656-389-182
US-11-656-389-182
US-11-656-389-182
US-11-656-389-182
US-11-656-389-182
US-11-656-389-182
US-11-656-389-182
US-11-61-333-069-1082
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Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: AGGARWAL, SUDEEPTA
APPLICANT: CLARK, HILARY
APPLICANT: GURNEY, HILARY
APPLICANT: GURNEY, MILLIARY
APPLICANT: SCHOENPELD, JILL
APPLICANT: WILLIAMS, P. MICKEY
APPLICANT: WOOD, WILLIAM I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ||::||: |:|:|:
798 VSPLFQKLENDQIESLRQR 816
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Best Local Similarity 42.1
Matches 8; Conservative
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CORGANISM: Homo sapien
US-10-533-069-1050
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Gaps

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TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE TITLE OF INVENTION: RELATED DISEASES FILE REPERENCE: P1982R1 US 10/533,069
CURRENT APPLICATION NUMBER: US/10/533,069
PRIOR PILLING DATE: 2005-04-28
PRIOR PILLING DATE: 2005-10-28
PRIOR PILLING DATE: 2003-10-28
PRIOR PILLING DATE: 2003-10-29
PRIOR PILLING DATE: 2002-10-29
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RIOR PILLING DATE: 2002-10-29
RIOR PILLING DATE: 2002-10-29
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APPLICANT: SCHOENFELD, JILL
APPLICANT: WILLIAMS, P. MICKEY
APPLICANT: WOU, WILLIAM I.
APPLICANT: WO, THOMAS D.
TITLE OF INVENTION: COMPOSITIONS. AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: RELATED DISSASES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36.2%; Score 38; DB 1; Length 1154;
56.2%; Pred. No. 46;
tive 1; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            Length 232;
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7.2;
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CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT FILING DATE: 2005-04-28
FRIOR APPLICATION NUMBER: PCT/US03/34381
PRIOR FILING DATE: 2003-10-28
PRIOR APPLICATION NUMBER: US 60/422,472
PRIOR PILING DATE: 2002-10-29
FRIOR PILING DATE: 2002-10-29
SEQ ID NO 1039
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 38;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1019, Application US/10533069
Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: AGGARMAL, SUDEEPTA
APPLICANT: CLARK, HILARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1070, Application US/10533069
Hublication No. US2070185017A1
FENDLICANT: ACGARWAL, SUDEEPTA
APPLICANT: ALRK, HILARY
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: SCHOENFELD, JILL
APPLICANT: SCHOENFELD, JILL
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109 EMLDDLMEKRKEKL 122
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Best Local Similarity 56.2
Matches 9; Conservative
  WOOD, WILLIAM I.
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 36.2
Best Local Similarity 50.0
Matches 7; Conservative
                          WU, THOMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Homo sapien
US-10-533-069-1039
                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                US-10-533-069-2353
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  APPLICANT:
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APPLICANT: CLARK, HILARY
APPLICANT: CLARK, HILARY
APPLICANT: SCHOENFELD, JILL
APPLICANT: WILLIAMS, P. MICKEY
APPLICANT: WILLIAMS, P. MICKEY
APPLICANT: WILLIAM I.
APPLICANT: WU THOMAS D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: RELATED DISEASES
FILE REFERENCE: P1982R1 US
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT APPLICATION NUMBER: US/10/533,4381
PRIOR APPLICATION NUMBER: US 60/422,472
PRIOR FILING DATE: 2003-10-28
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 2442
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                 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE TITLE OF INVENTION: RELATED DISEASES FILE REFERENCE: P1982H US
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT FILING DATE: 2005-04-28
PRIOR PPLICATION NUMBER: PCT/US03/34381
PRIOR PPLICATION NUMBER: PCT/US03/34381
PRIOR FILING DATE: 2003-10-28
PRIOR FILING DATE: 2003-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 45-2
LENGTH: 2000
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Pred. No. 63;
5; Mismatches 5; Indels
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Pred. No.
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Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: ACGARWAL, SUDEEPTA
APPLICANT: GLARK, HILARY
APPLICANT: GUNERY, AUSTIN L.
APPLICANT: SCHORNFELD, JILL
APPLICANT: WILLIAMS, P. MICKEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1216, Application US/10533069
Publication No. US20070185017A1
GRNERAL INFORMATION:
APPLICANT: AGGARWAL, SUDEEPTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88 PALENNKEQIQKIIETLTQQLQ 109
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997 VFRELVEELHPLMKEALE 1014
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                                                                                                                                                                                                                                                                                                                                                                                                        37.1%;
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Best Local Similarity 44.4%
Best Local Similarity 64.4%
Conservative
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Best Local Similarity 31.8<sup>1</sup>
Matches 7; Conservative
WU, THOMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: PRT
; ORGANISM: Homo sapien
US-10-533-069-1216
                                                                                                                                                                                                                                                                                                       , TYPE: PRT
, ORGANISM: Homo sapien
US-10-533-069-452
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  APPLICANT:
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APPLICANT: CLARK HILLARY
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: SCHOENFELD, JILL
APPLICANT: WILLIAMS, P. MICKEX
APPLICANT: WOOD, MILLIAM I.
APPLICANT: WOOD, WILLIAM I.
APPLICANT: WOOD, WILLIAM I.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: RELATED DISEASES
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: COMPOSITIONS
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT PILING DATE: 2005-04-28
PRIOR APPLICATION NUMBER: US 60/422,472
PRIOR APPLICATION NUMBER: US 60/422,472
PRIOR APPLICATION NUMBER: US 60/422,472
NUMBER OF SEQ ID NOS: 2442
                                          APPLICANT: WOOD, WILLIAM I.
APPLICANT: WU, THOMAS D.
ITITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
ITITLE OF INVENTION: RELATED DISEASES
ITITLE OF INVENTION: RELATED DISEASES
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT APPLICATION NUMBER: PCT/US03/34381
PRIOR FILING DATE: 2003-10-28
PRIOR FILING DATE: 2003-10-29
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 1043
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34.3%; Score 36; DB 1; Length 461; 50.0%; Pred. No. 31; Live 3; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1156, Application US/10533069
Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: AGGARWAL, SUDEEPTA
APPLICANT: CLARK, HILARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1242, Application US/10533069
Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: AGGARWAL, SUDEEPTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | :| :|| || :|| 1381 VAELVKELRCELDQLLQDKIK 1401
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121 LMRMVLNESLKVLKMQ 136
                             WILLIAMS, P. MICKEY WOOD, WILLIAM I.
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  SCHOENFELD, JILL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 42.9
Matches 9; Conservative
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Matches 8; Conservative
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ORGANISM: Homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapien
US-10-533-069-1043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-533-069-1242
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CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT FILING DATE: 2005-04-28
PRIOR FILING DATE: 2005-10-28
PRIOR FILING DATE: 2002-10-29
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 432
                                            APPLICANT: WU, THOMAS D.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLES OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLES OF INVENTION: RELATED DISEASES
FILE REFERENCE: P1982H US
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT FILING DATE: 2005-04-28
PRIOR PAPLICATION NUMBER: P20/93/34381
PRIOR PLING DATE: 2003-10-29
PRIOR FILING DATE: 2003-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 1070
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Pred. No. 54;
4; Mismatches 3; Indels 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    35.2%; Score 37; DB 1; Length 508; 40.9%; Pred. No. 25; tive 3; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  :| ||||| |:|::
612 LLOEFRELLQYRDNSDKTLEANEMLLEKLRQRI 644
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          149 PTLDKVLELOPEKLELIMDEMK 170
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: AGGARWAL, SUDEEPTA
APPLICANT: CLARK, HILARY
APPLICANT: GURNEY, AUGTIN L.
APPLICANT: SCHOENFELD, JILL
APPLICANT: WOOD, WILLIAMS, P. MICKEY
APPLICANT: WOOD, WILLIAM I.
APPLICANT: WU, THOMAS D.
WILLIAMS, P. MICKEY WOOD, WILLIAM I. WU, THOMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              35.7%;
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APPLICANT: CLARK, HILARY
APPLICANT: GURNEY, AUSTIN L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 40.94
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 39.4'
Matches 13; Conservative
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; ORGANISM: Homo sapien
US-10-533-069-432
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CORGANISM: Homo sapien
US-10-533-069-1070
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RESULT 8

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APPLICANT:

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APPLICANT: CLARK, HILARY
APPLICANT: CLARK, HILARY
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: WOOD, WILLIAM I.
FILE REFERENCE: PCT/US03/34381
FILE REFERENCE: 2003-10-28
FRIOR FILING DATE: 2002-10-28
FRIOR FILING DATE: 2002-10-28
FRIOR FILING DATE: 2002-10-28
FRIOR FILING DATE: 2002-10-29
                                                                                                              APPLICANT: WCJ.THOWAS D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
TITLE OF INVENTION: RELATED DISEASES
TITLE OF INVENTION: RELATED DISEASES
CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT PILING DATE: 2005-04-28
PRIOR FILING DATE: 2003-10-29
PRIOR FILING DATE: 2003-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 565
LENGTH.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34.3%; Score 36; DB 1; Length 997;
43.8%; Pred. No. 76;
tive 3; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PVLDLFRE----LLNELLEALKOKL 21
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; Sequence 141, Application US/10533069

; Publication No. US20070185017A1

; GENERAL INFORMATION:
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Publication No. US20070186295A1
GENERAL INFORMATION:
                                                                       WILLIAMS, P. MICKEY WOOD, WILLIAM I. WU, THOMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   941 DLLKNAKNEAIENMKÖ 956
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                         GURNEY, AUSTIN L. SCHOENFELD, JILL
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Best Local Similarity 38.5'
Matches 10; Conservative
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Best Local Similarity
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ORGANISM: Homo sapien
US-10-533-069-141
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
CORGANISM: Homo sapien
US-10-533-069-565
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APPLICANT: CLARK, HILARY
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: GURNEY, AUSTIN L.
APPLICANT: SCHOENFELD, UILL
APPLICANT: WILLIAMS, P. MICKEY
APPLICANT: WOD, WILLIAM I.
APPLICANT: WO, THONAS D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE
FILE REPRENCE: P1992R1 US
FILE REPRENCE: P1992R1 US
CURRENT FILING DATE: 2005-04-28
PRIOR PPLICATION NUMBER: PCT/USO3/34381
PRIOR APPLICATION NUMBER: US 60422,472
PRIOR APPLICATION NUMBER: US 60/422,472
PRIOR FILING DATE: 2002-10-29
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 1158
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                                                                                                                TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE TREATMENT OF IMMUNE TITLE OF INVENTION: RELATED DISEASES FILE REPREBRUE: P1902TH US CURRENT APPLICATION NUMBER: US/10/533,069
CURRENT APPLICATION NUMBER: PCT/US03/34381
PRIOR FILING DATE: 2003-10-28
PRIOR FILING DATE: 2002-10-29
PRIOR FILING DATE: 2002-10-29
NUMBER OF SEQ ID NOS: 2442
SEQ ID NO 1156
LENGTH: 491
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Pred. No. 34;
4; Mismatches 2; Indels
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Pred. No. 34;
4; Mismatches 2; Indels
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Publication No. US20070185017A1
GENERAL INFORMATION:
APPLICANT: AGGARWAL, SUDEEPTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 565, Application US/10533069; Publication No. US20070185017A1
GENERAL INFORMATION: APPLICANT: APPLICANT: AGGARWAL, SUDEEPTA
                                                WILLIAMS, P. MICKEY WOOD, WILLIAM I. WU, THOMAS D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       34.3%;
50.0%;
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Best Local Similarity 50.0%;
Matches 6; Conservative
GURNEY, AUSTIN L. SCHOENFELD, JILL
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361 LQEIVEGMKQKM 372
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361 LQEIVEGMKQKM 372
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; ORGANISM: Homo sapien
US-10-533-069-1156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapien
US-10-533-069-1158
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Best Local Similarity
Lag 6; Conserve
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RESULT 12

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Gaps ö

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RESULT 15
US-11-657-313-24
Sequence 24, Application US/11657313
Sequence 24, Application US/11657313
Publication No. US20070186295A1
GENERAL INFORMATION:
APPLICANT: Chelsky, Daul E.
APPLICANT: Hamaid; Lives
APPLICANT: Hamaid; Lives
APPLICANT: Honoix, Joel
APPLICANT: Lanoix, Joel
APPLICANT: Lanoix, Joel
CURRENT PLING DATE: 2007-01-24
PRIOR PILING DATE: 2007-01-24
PRIOR PLING DATE: 2006-01-25
SOFTWARE: PATENTIN WINNER: US 60/762,017
PRIOR FILING DATE: 2006-01-25
SOFTWARE: PATENTIN VERSION 3.3
SEQ ID NO 24
LENGRIT 2030
TWONER OF SECTION OF ACTION OF ACT
                                                                                                                   APPLICANT: Hamaidi, Lyes
APPLICANT: Kondejewski, Leslie H.
APPLICANT: Manaidi, Lyes
APPLICANT: Lanoix, Joel
APPLICANT: Hamoix, Joel
APPLICANT: Hugo, Patrice
TITLE OF INVENTION: TAT-036 and Methods of Assessing and Treating Cancer;
FILE REFERENCE: 50111/090002
CURRENT APPLICATION NUMBER: US 60/762,017
PRIOR APPLICATION NUMBER: US 60/762,017
PRIOR APPLICATION NUMBER: US 60/762,017
PRIOR APPLICATION NUMBER: US 60/762,017
SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.3
LENGTH: 1359
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;;
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LOCATION: (896)..(896)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3.
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33.8%; Score 35.5; DB 7; Length 2030;
Best Local Similarity 52.4%; Pred. No. 2e+02;
Matches 11; Conservative 6; Mismatches 1; Indels 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match 33.8%; Score 35.5; DB 7; Length 1359; Best Local Similarity 52.4%; Pred. No. 1.3e+02; Matches 11; Conservative 6; Mismatches 1; Indels 3.
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ORGANISM: Pan troglodytes
PEATURE:
Chelsky, Daniel
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Search completed: August 16, 2007, 22:55:51 Job time : 7 secs

Protein Sequence Searches - February 2005

All of the sequence databases on ABSS have recently been updated.

- permanent accession numbers. The new UniProt record may not contain the previous temporar numbers from the most recent version of UniProt. These sequences have been assigned new Please note that the curators of the UniProt database have purged some temporary accession
- extension .rup) that can no longer be found in the database, the permanent record with the new accession number can be found by searching the old accession number in the UniProt Protein If you encounter an accession number from an older search run against UniProt (results file Archive database (UniPARC) at:

http://www.pir.uniprot.org/database/archive.shtml

If you have any questions regarding this information or your results, please contact any STIC searcher.

members of the public who may encounter UniProt temporary accession When submitting sequence search results for scanning into IFW, please include a copy of this attachment to assist any future Examiners or

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QEBNMS_DEBHA
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Distributed under the Creative Commons Attribution-NoDerivs License
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Debaryomyces hanesnii (Yeast) (Torulaspora hansenii).
Bukaryota; Fungi; Acomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Debaryomyces.
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GO; GO:0003723; F:RNA binding; IEA.
INLECTPRO; IPR003890; IP_EIF4G.
Pfam; PF02854; MIF4G; 2.
SMART; SM00543; MIF4G; 1.
                                              Q48FH9_PSE14
Q4ZQ46_PSEUZ
Q8SUBS_ENCCU
Q1VGCO_VIBAL
Q87FD0_VIBPA
Q1AUZ7_9ACTN
Q29FC3_DROPS
Q8SEB0_STRA3
RNC_THETN
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    -!- PATHWAY: Cysteine biosynthesis.

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PubMed=15461803; DOI=10.1186/gb-2004-5-10-r77;
Rey M.W., Ramaiya P., Nelson B.A., Brody-Karpin S.D., Zaretsky E.J.,
Tang M., Lopez de Leon A., Xiang H., Gusti V., Clausen I.G.,
Olsen P.B., Rasmussen M.D., Andersen J.T., Joergensen P.L.,
Larsen T.S., Sorokin A., Bolotin A., Lapidus A., Galleron N.,
Ehrlich S.D., Berka R.M.;
"Complete genome sequence of the industrial bacterium Bacillus
licheniformis and comparisons with closely related Bacillus species.";
Genome Biol. 5:RESEARCH077.1-RESEARCH077.12(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
Copeland A., Lucas S., Lapidus A., Barry K., Detter J.C., Glavina Hammon N., Israni S., Pitluck S., Saunders E.H., Schmutz J., Latimer F., Land M., Kyrpides N., Mavrommatis K., Richardson P.; "Complete sequence of Anabaena variabilis ATCC 29413.";
*Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
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-!- CATALYTIC ACTIVITY: Acetyl-CoA + L-serine = CoA + O-acetyl-L-
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                                                                                                                                                                                                                         Anabaena variabilis (Etrain ATCC 29413 / PCC 7937).
Bacteria: Cyanobacteria: Nostocales; Nostocaceae; Anabaena.
NCBL TaxID=240292;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PubMed=15383718; DOI=10.1159/000079829;
Veith B., Herzberg C., Steckel S., Feesche J., Maurer K.H.,
Ehrenreich P., Baeumer S., Henne A., Liesegang H., Merkl R.
Ehrenreich A., Gottschalk G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 892;
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Bacillus licheniformis (strain DSM 13 / ATCC 14580).
Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Complete proteome; Hypothetical protein.
SEQUENCE 892 AA; 104914 MW; 456F1AD7C0451004 CRC64;
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                                                                                                               25-OCT-2005, integrated into UniProtKB/TrEMBL
                                                                      PRT; 892 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; CP000117; ABA21328.1; -; Genomic_DNA. GenomeReviews; CP000117_GR; Ava_1706.
InterPro; IPR010989; t-Snare.
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                                                                                                                                     25-OCT-2005, sequence version 1.
02-MAY-2006, entry version 6.
                                                                      PRELIMINARY;
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                                                                                                                                                               entry version 6. protein.
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                                                                                                                                                                                                             OrderedLocusNames=Ava 1706;
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Matches 10; Conservative
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QESPC9; Q62ZR7;
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ID Q3MCF8
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                                                            Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi;

Mammalia, Butheria, Euarchontoglires, Glires, Rodentia, Sciurognathi;

Muroidea, Muridae, Murinae, Rattus.
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MEDINE=98077648, PubMed=9415807;
Chiang A.N., Fan K.C., Shaw G.C., Yang U.C.;
"Repetitive elements in the third intron of murine apolipoprotein A-I
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                                                                                                                                                    EMBL; AE017333; AAU39085.1; -; Genomic_DNA.

R GenomeReviews; CP000002 (R): Bio3268.

GenomeReviews; CP000002 (R): Bio3268.

GenomeReviews; AE017333 (R): Bii00111.

GO; GO:0005737; C:cytoplasm; IEA.

GO; GO:0005737; C:cytoplasm; IEA.

R GO; GO:0016740; F:serine O-acetyltransferase activity; IEA.

R GO; GO:0016740; F:stansferase activity; IEA.

R GO; GO:0016535; P:cysteine biosynthesis from serine; IEA.

R InterPro; IPR001451; Hexapep transferase.

R InterPro; IPR001451; Hexapep transf.

R InterPro; IPR00132; Hexapep; 4.

R TIGRPAMS; TIGR01172; CysE; 1.
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STRAIN=WKY, and SHRSP; TISSUE=Spleen;
Chiang A.-N., Fan K.-C., Shaw G.-C., Yang U.-C.;
Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cysteine biosynthesis; Repeat; Transferase.
SEQUENCE 216 AA; 24124 MW; 4C1ADOCC51F74B4C CRC64;
-!- SUBCELLULAR LOCATION: Cytoplasm (By similarity).
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GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0008289; F:lipid binding; IEA.
GO; GO:0006869; F:lipid transport; IEA.
GO; GO:0042157; P:lipoprotein metabolism; IEA.
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01-JUL-1997, sequence version 1.
27-JUN-2006, entry version 25.
Apoliopprotein A.I.
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EMBL; U79577; AAB58429.1; -; Genomic_DNA.
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InterPro; IPR000074; ApoAl A4 E.
Pfam; PF01442; Apolipoprotein; 1.
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                                                                       NUCLEOTIDE SEQUENCE
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                                     NCBI_TaxID=10116;
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRAIN=SHR; TISSUB=Spleen;
MEDLINE=98077648; PubMed=9415807;
Chiang A.N., Fan K.C., Shaw G.C., Yang U.C.;
"Repetitive elements in the third intron of murine apolipoprotein A-I
                                                                                                                                                                                                                                                                                                                                                 Rattus norvegicus (Rat).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Buarchontoglires; Glires; Rodentia; Sciurognathi;
Muroidea; Muridae; Murinne; Rattus.
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
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                                   50.5%; Score 53; DB 2; Length 258;
54.5%; Pred. No. 1.1e+02;
cive 4; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRAIN=SIR; TISSUE=Spleén;
Chiang A.-N., Fan K.-C., Shaw G.-C., Yang U.-C.;
Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          258 AA; 29831 MW; 093FB582E629CDC8 CRC64;
 29918 MW; 093E6EF2E629CDC8 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-AUG-1987, integrated into UniProtKB/Swiss-Prot
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Apolipoprotein A-I precursor (Apo-AI) (ApoA-I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0005576; C:extracellular region; IEA. GO; GO:0008289; F:lipid binding; IEA. GO; GO:0006689; P:lipid transport; IEA. GO; GO:004215; P:lipoprotein metabolism; IEA. InterPro; IPR01325; ApoA/E ApoLp. InterPro; IPR000074; ApoAl_Ā4E. PFGM; PF01442; Apolipoprotein; 1.
                                                                                                                                                                                                                                                                          01-JUL-1997, integrated into UniProtKB/TrEMBL. 01-JUL-1997, sequence version 1.
                                                                                                                                                                                                                                          258 AA.
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HSSP; P02647; 1AV1.
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                                                                                                                               | || |:| || :|| :||:
| PHLDEFQEKWNEEVEAYRQKLE 142
                                                                                                                                                                                                                                          PRELIMINARY; PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                          1 PVLDLFRELLNELLEALKQKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , sequence version 1.
                                                                                                                                                                                                                                                                                                               27-JUN-2006, entry version 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                           12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUCLEOTIDE SEQUENCE.
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   258 AA;
                                                                                                                                                                                                                                                                                                                                  Apolipoprotein A-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Simi
Matches 12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-AUG-1987,
25-JUL-2006,
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SEQUENCE
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                                                                                                                                                                                                                                        O08877_RAT
O08877;
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P04639;
   SEQUENCE
                                       Query Match
                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 6
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Cholesterol metabolism; Direct protein sequencing; HDL;
Lipid metabolism; Lipid transport; Repeat; Signal; Steroid metabolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "The primary translation product of rat intestinal apolipoprotein A-I mRNA is an unusual preproprotein.";
J. Biol. Chem. 27:971-978(1982).
-!- FUNCTION: Participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT).
-!- SUBCELIULAR LOCATION: Secreted protein.
-!- TISSUE SPECIFICITY: Major protein of plasma HDL, also found in
Mammalia, Butheria, Buarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea, Muridae, Murinae, Rattus.
                                                                                                                                                                MEDLINE=84207987; PubMed=6426956;
Poncin J.E., Martial J.A., Gielen J.E.;
"Cloning and structure analysis of the rat apolipoprotein A-I cDNA.";
                                                                                                                                                                                                                                                                                                                                                                                                                                      ပ်
                                                                                                                                                                                                                                                                                                                                   NUCLECTIDE SEQUENCE.
MEDLINE=87008540; PubMed=3020028;
Haddad I.A., Ordovas J.M., Pitzpatrick T., Karathanasis S.K.;
"Linkage, evolution, and expression of the rat apolipoprotein A-I, III, and A-IV genes.";
J. Biol. Chem. 261:13268-13277 (1986).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -!- SIMILARITY: Belongs to the apolipoprotein Al/A4/E family.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=Sprague-Dawley;
MEDLINE=82098162; PubMed=6798036;
Gordon J., Smith D.P., Andy R., Alpers D.H., Schonfeld G.,
Strauss A.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; M00001; AAA40749.1; -; mRNA.

EMBL; X00558; CAA25224.1; -; mRNA.

PRIBL; A24700; AAA40745.1; -; Genomic_DNA.

PRIBL; A24700; A24700.

HSSP; P02647; LAVI.

RGD; 2130; Apoal.

GO; GO:0017127; F:cholesterol transporter activity; IDA.

GO; GO:0005548; F:phospholipid transporter activity; IDA.

GO; GO:0019914; P:phospholipid transport; IDA.
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-> S (in Ref. 2).
-> K (in Ref. 2).
2E8D5EB45FEAEE88 CRC64;
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Apolipoprotein A-I.
/FTId=PRO_000001954.
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Interpro; IPR000074; ApoAl_A4_E.
                                                                                                                                                                                                                                                                      Biochem. 140:493-498(1984)
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122 PHLDEFQEKWNEEVEAYRQKLE 143
1 PVLDLFRELLNELLEALKOKLK 22
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SEQUENCE
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Ralanner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.P., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Rapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gibbs R.A.,
Richards S., Worley D.M., Sodergren B.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Renertion and initial analysis of more than 15,000 full-length human
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Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Mētazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia; Eutheria, Euarchontoglires, Glires, Rodentia, Sciurognathi,
Muroidea; Muridae, Murinae, Rattus.
                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                             50.5%; Score 53; DB 1; Length 259; 54.5%; Pred. No. 1.1e+02; tive 4; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 259;
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54.5%; Pred. No. 1.18+02;
ive 4; Mismatches 6; Indels
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Director MGC Project;
Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-MAY-2005, integrated into UniProtKB/TrEMBL. 10-MAY-2005, sequence version 1. 27-JUN-2006, entry version 6.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     259 AA.
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                                                                                                                                                                                                                    | || |:| || :|| :||:
PHLDEFQEKWNEEVEAYRQKLE 143
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                                                                                                                                                                               1 PVLDLFRELLNELLEALKOKLK 22
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                                                               Local Similarity 54.5
nes 12; Conservative
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les 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI TaxID=10116;
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MEDLINE=21537279; PubMed=11679669; DOI=10.1126/science.1063447;

A Baquero F., Frangeul L., Buchrieser C., Rusniok C., Amend A.,

Baquero F., Berche P., Grandt P., Chakraborty T.,

A Charbit A., Chetouani F., Couve E., de Daruvar A., Dehoux P.,

Bentian K.-D., Faihi H., Garcia-del Portillo F., Garrido P.,

Bentian K.-D., Faihi H., Garcia-del Portillo F., Garrido P.,

A Gautier L., Goebel W., Gomez-Lopez N., Hain T., Hauf J., Jackson D.,

Jones L.-M., Kaerst U., Kreft J., Kuhn M., Kunst F., Kurapkat G.,

Madueno E., Mattourna A., Mata Vicente J., Ng E., Nedjari H.,

Nordsiek G., Novella S., de Pablos B., Perez-Diaz J.-C., Purcell R.,

Remmel B., Rose M., Schlueter T., Simces N., Tierrez A.,

Vazquez-Boland J.-A., Voss H., Wehland J., Cossart P.;

Comparative genomics of Listeria species.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
Distributed under the Creative Commons Attribution-NoDerivs License
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-JUL-2004, sequence version 1.
07-MAR-2006, entry version 15.
UPRO085 protein LMOC12365 1476.
OrderedLocusNames=LMOC1355 1476;
Listeria monocytogenes serotype 4b (strain F2365).
Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.
                                                                                                                                                                                                                                            Bacteria, Firmicutes, Bacillales, Listeriaceae, Listeria.
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274 AA; 30436 MW; A149AF0F8D5D1B1A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATP-binding, Complete proteome, Nucleotide-binding. CHAIN 1 274 UPF0085 protein lmo1457 /FTId=PRO 0000196674.
Y1457 LISMO STANDARD; PRT; 274 AA.
P67195; 092BQ3;
11-OCT-2004, integrated into UniProtKB/Swiss-Prot.
11-OCT-2004, sequence version 1.
30-MAY-2006, entry version 9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-JUL-2004, integrated into UniProtKB/Swiss-Prot
                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Science 294:849-852(2001).
-!- SIMILARITY: Belongs to the UPF0085 family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                274 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GenomeReviews; AL591824_GR; lmo1457.
ListiList; LMO01457; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 PVLDLFRELLNELLEALKOK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HAMAP; MF_01062; -; 1.
InterPro; IPR005177; DUF299.
Pfam; PF03618; DUF299; 1.
                                                                                                                                                                                         OrderedLocusNames=lmo1457;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11; Conservative
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                                                                                                                                                       UPF0085 protein lmo1457
                                                                                                                                                                                                                         Listeria monocytogenes.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LinkHub; P67195; -
                                                                                                                                                                                                                                                                                 NCBI_TaxID=1639;
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Gaps ; 0

Conservative

Matches

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Distributed under the Creative Commons Attribution-NoDerivs License
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Best Local Similarity 55.0
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORFNames=LMOh7858 1553;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   preliminary data.
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                                             PIR; AE1619; AE1619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=267410;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
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MEDLINE=21537279; PubMed=11679669; DOI=10.1126/science.1063447;
Glaser P., Frangeul L., Buchrieser C., Rusniok C., Amend A.,

Baquero F., Berche P., Couve E., de Daruvar A., Dehoux P.,

Charbit A., Chetouani F., Couve E., de Daruvar A., Dehoux P.,

Charbit A., Chetouani F., Couve E., de Daruvar A., Dehoux P.,

Charbit A., Chetouani F., Couve E., de Daruvar A., Dehoux P.,

Brian R., Dominguez-Bernal G., Duchaud E., Durant L., Dussurget O.,

Brian R., Dominguez-Bernal G., Main T., Hauf J., Jackson D.,

Gautier L., Goebel W., Kreft J., Kuhn M., Kunst F., Kurapkat G.,

Andueno E., Maitournam A., Mata Vicente J., Ng E., Nedjari H.,

Nordeiek G., Novella S., de Pablos B., Perez-Diaz J.-C., Purcell R.,

Remmel B., Rose M., Schlueter T., Simoes N., Tierrez A.,

Avarquez-Boland J.-A., Voss H., Wehland J., Cossart P.,

"Comparative genomics of Listeria species.";

L. Science 294:849-852 (2001).

CC -:- SIMILARITY: Belongs to the UPP0085 family.
                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
                                                                                                                                                                           food-
                                            PubMed=15118801; DOI=10.1093/nar/gkh562;
Nelson K.E., Fouts D.E., Mongodin B.F., Ravel J., DeBoy R.T.,
Kolonay J.F., Rasko D.A., Angluoli S.V., Gill S.R., Paulsen I.T.,
Peterson J.D., White O., Nelson W.C., Nierman W.C., Beanan M.J.,
Brinkac L.M., Daugherty S.C., Dodson R.J., Durkin A.S., Madupu R.,
Haft D.H., Selengut J., Van Aken S.E., Khouri H.M., Fedorova N.,
Forberger H.A., Tran B., Kathariou S., Wonderling L.D., Uhlich G.A.,
Bayles D.O., Luchansky J.B., Fraser C.M.;
"Whole genome comparisons of serotype 4b and 1/2a strains of the food
borne pathogen Listeria monocytogenes reveal new insights into the
core genome components of this species.";
Nucleic Acids Res. 32:2386-2395(2004).
-! SIMILARITY: Belongs to the UPF0085 family.
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                                                                                                                                                                                                                                                                                                                                                                                                               ATP-binding; Complete proteome; Nucleotide-binding.
CHAIN 1 274 UPF0085 protein LMOE2365_1476.
/FIId=PRO_000196675.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            50.5%; Score 53; DB 1; Length 274; 55.0%; Pred. No. 1.2e+02; ative 3; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria
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274 AA; 30436 MW; A149AF0F8D5D1B1A CRC64;
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                                  NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
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GenomeReviews; AE017262_GR; IMO£2365_1476.
TIGR; IMO£2365_1476; -
HAMAP; MF 01062; -; 1.
InterPro; IPR005177; DUF299.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 PVLDLFRELLNELLEALKQK 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF03618; DUF299; 1
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   NCBI_TaxID=265669;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PubMed=15115801; DOI=10.1093/nar/gkh562;
PubMed=15115801; DOI=10.1093/nar/gkh562;
PubMed=15115801; DOI=10.1093/nar/gkh562;
PubMed=15115801; Douts D.B., Mongodin B.F., Ravel J., DeBoy R.T.,
Kolonay J.F., Rasko D.A., Angiuoli S.V., Gill S.R., Paulsen I.T.,
Peterson J.D., White O., Nelson W.C., Nierman W.C., Beanan M.J.,
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Haft D.H., Selengut J., Van Aken S.E., Khouri H.M., Fedorova N.,
Forberger H.A., Tran B., Rathariou S., Wonderling L.D., Uhlich G.A.,
Bayles D.O., Luchansky J.B., Fraser C.M.;
Whole genome comparisons of serotype 4b and 1/2a strains of the food-
borne pathogen Listeria monocytogenes reveal new insights into the
core genome components of this species.";
Nucleic Acids Res. 32:2386-2395(2004).
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                                                                                                                                                                                                                                                                                                                                                                                                                  Score 53; DB 1; Length 274;
Pred. No. 1.2e+02;
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Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Indels
                                                                                                                                                                                                                                                                                                                         149 156 ATP (Potential).
274 AA; 30436 MW; A149AF0F8D5D1B1A CRC64;
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                                                                                                                                                                                                                                                          UPF0085 protein lin1494.
/FTId=PRO_0000196672.
                                                        Genome Reviews, M. M. 1992. GR; lin1494.
ListiList; LIN01494; -. HAWAR; MF 01062; -; 1.
HAWAR; MF 01062; -; 1.
PICTEPRO; IPRO0517; DUF299.
Pfam; PF03618; DUF299; 1.
ATP-binding; Complete proteome; Nucleotide-binding.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-SEP-2005, integrated into UniprotKB/TrEMBL. 13-SEP-2005, sequence version 1. 18-APR-2006, entry version 3. Hypothetical protein.
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EMBL; AL596168; CAC96725.1; -; Genomic_DNA
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Q4EGJ5;
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                                                                                                                                                                                                                                                                                                                                                                                                              50.5%;
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Pfam; PP03618; DUP299; 1.
Hypothetical protein.
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Pfam; PF01432; Peptidase M3; 1.
Pfam; PF08439; Peptidase M3 N; 1.
TIGENAMS: TIGEN0181; pepf; PPPCSITE; PROSITE; PS00142; ZINC_PROTEASE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-APR-2006, sequence version 1.
13-JUM-2006, entry version 3.
Oligoendopeptidase F.
ORFNames=B14911_28130;
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                                                                                                  InterPro; IPR012199; MazG.
InterPro; IPR011551; MazG bac.
InterPro; IPR004518; MazG_cat.
                                                                                                                                                                                                                                                                                              280 AA; 32085 MW;
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Q9FZ15_ARATH
ID Q9FZ15_ARATH PRELIMINARY;
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Distributed under the Creative Commons Attribution-NoDerivs License
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Kolonay J.F., Rasko D.A., Angiuoli S.V., Gill S.R., Paulsen I.T.,
Kolonay J.F., Rasko D.A., Angiuoli S.V., Gill S.R., Paulsen I.T.,
Peterson J.D., White O., Nelson W.C., Deanan M.C.,
Brinkac L.M., Daugherty S.C., Dodgon R.J., Durkin A.S., Madupu R.,
Haft D.H., Selengut J., Van Aken S.E., Khouri H.M., Fedorova N.,
Forberger H.A., Tran B., Kathariou S., Wonderling L.D., Uhlich G.A.,
Bayles D.O., Luchansky J.B., Fraser C.M.;
"Whole genome comparisons of serotype 4b and 1/2a strains of the food-
borne pathogen Listeria monocytogenes reveal new insights into the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US DOB Joint Genome Institute;
Copeland A., Lucas S., Lapidus A., Barry K., Detter J.C., Glavina T.,
Hammon N., Israni S., Pitluck S., Saunders E.H., Schmutz J.,
Larimer F., Land M., Kyripides N., Anderson I., Richardson P.;
"Complete sequence of Pseudomonas fluorescens Pf0-1.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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Pseudomonas fluorescens (strain PfO-1).
Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
Pseudomonadaceae; Pseudomonas.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                                                                 Hypothetical protein.
ORFRVames=LMOf6854 1500;
Listeria monocytogenes str. 1/2a F6854.
Bacteria, Firmicutes, Bacillales, Listeriaceae, Listeria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 protein.
274 AA; 30436 MW; A149AF0F8D5D1B1A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                50.5%; Score 53; DB 2; 355.0%; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AADQ01000006; EAL07152.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-NOV-2005, integrated into UniProtKB/TrEMBL.
08-NOV-2005, sequence version 1.
30-MAY-2006, entry version 8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
                                                                                                       13-SEP-2005, integrated into UniProtKB/TrEMBL. 13-SEP-2005, sequence version 1. 18-APR-2006, entry version 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               280 AA.
                                                         274 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 core genome components of this species.";
Nucleic Acids Res. 32:2386-2395(2004).
                                                                                                                                                                                                                                                                                                                                                                        STRAIN=1/2a F6854;
PubMed=15115801; DOI=10.1093/nar/gkh562;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
                                                      PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |::||| |||:| | | | | 84 PIIDLFGPLLNQLEETYKIK 103
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                                              Q4ETW3 LISMO PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Interpro, IPR005177; DUF299.
Pfam; PF03618; DUF299; 1.
Hypothetical protein.
SEQUENCE 274 AA; 30436 MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 55.09
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            preliminary data.
                                                                                                                                                                                                                                                                                                                       [1] TOUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                              NCBI_TaxID=267409;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              O3K8FI PSEPF

ID O3K8FI PSEPF

DT 08-NOV-2005, in

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                                LISMO
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RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
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                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Distributed under the Creative Commons Attribution-NoDerivs License
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nitted (FEB-2006) to the EMBL/GenBank/DDBJ databases.
CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;
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                                                                                                                                                                                                                                                                                                                                                   50.5%; Score 53; DB 2; Length 280; 57.9%; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=NRRL B-14911;
Siefert J., Ferriera S., Johnson J., Kravitz S., Halpern .
Remington K., Beeson K., Tran B., Rogers Y.-H., Friedman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         50.5%; Score 53; DB 2; Length 605
57.1%; Pred. No. 2.5e+02;
ive 2; Mismatches 7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacillus sp. NRRL B-14911.
Bacteria, Firmicutes, Bacillales, Bacillaceae, Bacillus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100142; ZINC PROTEASE; UNKNOWN 1.
605 AA; 68388 MW; 36DEA70199190077 CRC64;
                                                                                                                                                                                                                                                                                             0AA804512A53414D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GO; GO:0004222; F:metalloendopetidase actīvity; IEA.
GO; GO:0006508; P:proteolysis; IEA.
InterPro; IPR001567; Pept Mal M3B.
InterPro; IPR00406025; Pept M Zn BS.
InterPro; IPR013647; Peptidase M3 N.
InterPro; IPR004438; Peptidase M3B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; AAOX01000006; EAR66951.1; -; Genomic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-APR-2006, integrated into UniProtKB/TrEMBL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           727 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  605 AA.
EMBL; CP000094; ABA75953.1; -; Genomic_DNA
GenomeReviews; CP000094 GR; Pf1 4216.
InterPro; IPR011029; DEATH_like.
                                                                                                                                                                                                                                                                                                                                                                                                                4; Mismatches
                                                                                                                                                                      Pfam; PF03819; MazG; 2.
PIRSF; PIRSF002844; NTP_pyrphdr_MazG; 1.
TIGRFAMS; TIGR00444; mazG; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QZBAJ7 9BACI PRELIMINARY; PRT; Q2BAJ7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             136 PELEAFRKNLEELLETKKHKL 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 PVLDLFRELLNELLEALKOKL 21
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                                                                                                                                                                                                                                                                                Altafi H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks S., Altafi H., Nguyen M., Lam B., Southwick A., Miranda M., Brooks S., Buehler E., Chao Q., Chin C., Chiou J., Choi B., Gonzalez A., Howng B., Johnson-Hopson C., Khan S., Kim C., Koo T., Lee J.M., Lenz C., Liu A., Liu S., Mukharsky N., Pham P., Sakano H., Shinn P., Toriumi M., Vaysberg M., Yu G., Ecker J., Theologis A., Davis R.W.; Submitted (AUG-2000) to the EMBL/GenBank/DbBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R GOS GO1005524; S.LATP binding; IEA.

R GO; GO10005524; F.ATP binding; IEA.

R GO; GO1000166; F.nucleotide binding; IEA.

R GO; GO10006464; F.protein serine(Mreonine kinase activity; IEA.

R GO; GO1016740; F.transferase activity; IEA.

R GO; GO1016740; F.transferase activity; IEA.

R GO; GO1006468; P.protein amino acid phosphorylation; IEA.

R InterPro; IPR000827; Ser Th. Dine.

R InterPro; IPR008271; Ser Th. Din. AS.

R Prodom; P0000001; Prot kinase; 1.

R PROSITE; PS00101; PROTEIN KINASE ATP; 1.

R PROSITE; PS00101; PROTEIN KINASE ATP; 1.

R PROSITE; PS00108; PROTEIN KINASE BOM; 1.

R PROSITE; PS00108; PROTEIN KINASE ST; 1.

R PROSITE; PS00108; PROTEIN KINASE ST; 1.

R ATP-binding; Hypothetical protein; Kinase; Nucleotide-binding; Serine/threonine-protein kinase; Transferase.
                                                                                                                                                 Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core eudicotyledons,
rosids, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             50.5%; Score 53; DB 2; Length 727; 52.4%; Pred. No. 3e+02; tive 4; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    727 AA; 81129 MW; BEF55B9646E0459E CRC64;
                  01-MAR-2001, integrated into UniProtKB/TrEMBL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AC007152; AAF98207.1; -; Genomic_DNA. HSSP; P06239; 3LCK.
                                         01-MAR-2001, sequence version 1.
18-APR-2006, entry version 22.
Hypothetical protein F1019.1 (Fragment)
                                                                                                                              Arabidopsis thaliana (Mouse-ear cress).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 52.44
Matches 11, Conservative
                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                           NCBI_TaxID=3702;
                                                                                                          Name=F1019.1;
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|:|| || :|| || :|: 239 PLLDRFRGVLNNLREMCKRKV 259 1 PVLDLFRELLNELLEALKOKL 21 ઠ 셤

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Search completed: August 16, 2007, 22:48:32 Job time : 351 secs

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August 16, 2007, 22:38:56 ; Search time 213 Seconds (without alignments) 50.541 Million cell updates/sec
GenCore version 6.2.1
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Maximum Match 100%
Listing first 45 summaries
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1 PVLDLFRELLNELLEALKOKLK 22
                                                                         OM protein - protein search, using sw model
                                                                                                                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                geneseqp2003as:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    geneseqp2003bs:*
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geneseqp2002s:*
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          geneseqp1990s:*
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                                                                                                                                                                                                                                                                                                                                                                                        Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Perfect score:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| | 4 1 | Aay01708 Peptide f | Aay18683 Lecithin: | | Aay18779 Lecithin: | Aay18963 Lecithin: | Aay18937 Lecithin: | Aay19033 Lecithin: | Aay19191 Lecithin: | Aay19217 Lecithin: | Aay19287 Lecithin: | | Aay18516 Lecithin: | Aay18420 Lecithin: | | | | • | Apo | Apo 1 | Adj32859 Apo lipop | Apo | And |
|-----------|-------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|----------|----------|----------|----------|----------|----------|--------------------|----------|----------|
| SUMMARIES | | AAY01708 | AAY18683 | AAY18709 | AAY18779 | AAY18963 | AAY18937 | AAY19033 | AAY19191 | AAY19217 | AAY19287 | AAY18446 | AAY18516 | AAY18420 | ADG20900 | ADG20926 | ADG20996 | ADJ32938 | ADJ32886 | ADJ32868 | ADJ32859 | ADJ32842 | ADJ32843 |
| 9 | 9 : | 7 | 0 | ~ | ~ | 7 | 7 | ~ | 7 | ~ | ~ | ~ | N | 7 | æ | œ | α | œ | ∞ | 80 | æ | œ | œ |
| 4 | | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 23 |
| ouery | March | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| , , | acore | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| Result | . Del | 1 | 7 | ٣ | 4 | ស | 9 | 7 | 80 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | | 20 | 21 | 22 |

The present sequence represents a peptide used to make peptide-lipid complexes by the co-lyophilization approach of the invention. Preparation of a lyophilized peptide/lipid product comprises co-lyophilization of one or more peptides which are able to adopt an amiphipathic conformation or their analogues, and one or more lipids in a solvent system to form a peptide/lipid product which can be rehydrated to form peptide/lipid complexes, solubilizing at least one amphipathic peptide or its analog in a first solution, solubilizing at least one lipid in a second solution

Example 1; Page 18; 42pp; English.

| Aay18686 Lecithin: | Aay18940 Lecithin: | Aay19194 Lecithin: | _ | Adg20903 Apolipopr | Adj32845 Apo lipop | | Aay18680 Lecithin: | Aay18934 Lecithin: | Aay18955 Lecithin: | _ | Aay19188 Lecithin: | Aay18438 Lecithin: | Aay18417 Lecithin: | Adg20918 Apolipopr | Adg20897 Apolipopr | Apo | Apo] | Aay18685 Lecithin: | Aay18775 Lecithin: | Aay18806 Lecithin: | Aay18705 Lecithin: | Aay18706 Lecithin: |
|--------------------|--------------------|--------------------|----------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|----------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AAY18686 | AAY18940 | AAY19194 | AAY18423 | ADG20903 | ADJ32845 | AAY18701 | AAY18680 | AAY18934 | AAY18955 | AAY19209 | AAY19188 | AAY18438 | AAY18417 | ADG20918 | ADG20897 | ADJ32839 | ADJ32860 | AAY18685 | AAY18775 | AAY18806 | AAY18705 | AAY18706 |
| 22 2 | 22 2 | 22 2 | 22 2 | 22 8 | 22 8 | 22 2 | 22 2 | 22 2 | 22 2 | 22 2 | 22 2 | 22 2 | 22 2 | 22 8 | 22 8 | 22 8 | _ | 22 2 | • | 22 2 | 22 2 | 22 2 |
| 97.1 | • | • | | | | | • | | 96.2 | | - | | | | σ | 96.2 | 0 | σ | o | o | o | 01 |
| 102 | 102 | 102 | 102 | 102 | 102 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 100 | 100 | 100 | 100 | 100 |
| 23 | 24 | 25 | 56 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |

ALIGNMENTS

Preparation of a lyophilized peptide/lipid product - by co-lyophilization of peptides and solubilizing in lipid. Peptide for making peptide-lipid complex by co-lyophilization approach. compound storage, vaccine; dyslipoproteinemia, hypercholesterolemia; hypertriglyceridemia; low HDL; apolipoprotein A-1 deficiency; cardiovascular disease; atherosclerosis; septic shock; co-lyophilization approach; liposome; AAY01708 standard; peptide; 22 AA 97US-00942597. 98WO-US020330. (first entry) Peptide-lipid complex; WPI; 1999-277181/23. infectious disease (DASS/) DASSEUX J. 28-SEP-1998; 02-OCT-1997; 24-JUN-1999 WO9917740-A1 15-APR-1999. Dasseux J; Synthetic. AAY01708; RESULT 1 4AY01708

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lyophilizing to form a product which can be rehydrated to form peptide/lipid complexes. The method is used for for generating stable peptide/lipid vesicles and complexes such as micellar, spherical and discoidal complexes in bulk preparations and in smaller units e.g. dosages. Liposomes are known to be used for delivery vehicles for drugs, cosmetics and bioactive compounds. The method may also be used for storage of compounds which may otherwise be unstable or insoluble in the absence of lipids or for formulation of products for treatment or prevention of human diseases such as co-presentation of antigens in vaccines, treatment or prevention of dyslipoproteinemias, e.g. hypercholesterolemia, hypertriglyceridemia, low HDL and apolipoprotein A-
                                                                                                                                                                                                                                                                                                                                                                           I deficiency, cardiovascular disease such as atherosclerosis, septic shock or infectious diseases. The method can also be used in the preparation of complexes which can be used as carriers for drugs, as vectors (to deliver drugs, DNA and genes) e.g. to the liver or to extra hepatic cells or as scavengers to trap toxins such as pesticides and LPS
combining the solutions and
which is miscible with the first solution,
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Sequence 22 AA;

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  Length 22;
                          Indels
100.0%; Score 105; DB 2;
100.0%; Pred. No. 9.2e-07;
tive 0; Mismatches 0;
                                                   22
                                                                1 PVLDLFRELLNELLEALKOKLK 22
                                                 1 PVLDLFRELLNELLEALKOKLK
                          Conservative
             Similarity
Query Match
Best Local Simil
Matches 22; (
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Gaps

RESULT 2

AAY18683 standard; peptide; 22 AA

09-JUL-1999 AAY18683;

Lecithin: cholesterol acyltransferase activation exhibiting peptide #4. (first entry)

Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin; cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome; septic shock

Synthetic

Homo sapiens

W09916408-A2

98WO-US020328 28-SEP-1998;

97US-00940093 29-SEP-1997;

DASSEUX J. (DASS/) (SEKU/) (BUTT/)

SEKUL R. BUTTNER K. CORNUT I. METZ G. (METZ/) (CORN/)

Cornut I, Buttner K, Sekul R, Dasseux J,

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WPI; 1999-277031/23

Peptide agonists of apolipoprotein A-I.

Example; Page 104; 152pp; English.

The present invention describes an agonist (A) of apolipoprotein A-I (apoA-I) which is a 14-22 residue peptide, or analog, that forms an amphipathic alpha-helix in presence of lipids. (A), and their lipid

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dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenoosis, HDL (high density lipoprotein) or appA-1 deficiency; hypertriglyceridemia am metabolic syndrome, also for treating septic shock. When labeled, (A) can also be used diagnostically to measure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streaks, and to raise antibodies. ANY18680 to AAY189313 represent lecithin:cholesterol acyltransferase (LCAT) activity exhibiting core peptides, which are apoA-1 agonists
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; locithin:cholesterol acytransferase; LCAT; hypercholesterolaemia; cardiovascular disease; athorscelerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lecithin: cholesterol acyltransferase activation exhibiting peptide #30
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                       Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
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                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 105; DB 2;
100.0%; Pred. No. 9.2e-07;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptide agonists of apolipoprotein A-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY18709 standard; peptide; 22 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98WO-US020328.
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BUTTNER K.
CORNUT I.
                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                                                                                                                                                                                                Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    METZ G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-SEP-1998;
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Local Sim.
22;
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Pred. No. 9.2e-07;

100.08; P1.

Mismatches

22

1 PVLDLFRELLNELLEALKOKLK 22

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22; Conservative
Best Local Similarity
Matches 22; Conserv
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Matches
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                                                                                                                                                                                                                                                                                        Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin:cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                                                                                                                    Lecithin: cholesterol acyltransferase activation exhibiting peptide #100.
 e.g. atherosclerotic streaks, and to raise antibodies. AAY18680 to AAY18933 represent lecithin:cholesterol acyltransferase (LCAT) activity exhibiting core peptides, which are apoA-I agonists
                                                                                               Gaps
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                                                                      Length 22;
                                                                                             Indels
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                                                                      100.0%; Score 105; DB 2;
100.0%; Pred. No. 9.2e-07;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide agonists of apolipoprotein A-I.
                                                                                                                   1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                 1 PVLDLFRELLNBLLEALKOKLK 22
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                                                                                                                                                                                                  AAY18779 standard; peptide; 22 AA
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                                                                                 Local Similarity 100.0
es 22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEKUL R.
BUTTNER K.
CORNUT I.
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                                                 Sequence 22 AA;
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                                                                                                                                                                                                                                                                                                                                         septic shock
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                                                                                                                                                                                                                                                                                                                                                              Synthetic
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                                                                        Query Match
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Matches
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100.0%; Score 105; DB 2; Length 22;

Query Match

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                                                                                                                                                                                                                                Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin:cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                              Lecithin:cholesterol acyltransferase activation exhibiting peptide #30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide agonists of apolipoprotein A-I.
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AAY18963 standard; peptide; 22 AA
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BUTTNER K.
CORNUT I.
METZ G.
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                                                                                                                                                                                                                                                                                                                                                             septic shock
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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(CORN/)
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RESULT 6 AAY18937

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The present invention describes an agonist (A) of apolipoprotein A-I (apoA-I) which is a 15-29 residue peptide, or analog, that forms an ambrigathic alpha-helix in presence of lipids. (A), and their lipid complexes, are used to treat or prevent diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) or apoA-I deficiency; hypertriglyceridemia and metabolic syndrome, also for treating septic shock. When labeled, (A) can also be used diagnostically to measure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streaks, and to raise antibodies. ANY18914 to ANY19187 represent lecithin:cholesterol acyltransferase (LCAT) activity exhibiting core peptides, which are apoA-I agonists
                                   Lecithin:cholesterol acyltransferase activation exhibiting peptide #100.
                                                                       agonist; dyslipidemic disorder; dyslipidemia; human;
                                                                                         lecithin:cholesterol acyltransferase, LCAT, hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL, apoA-I, high density lipoprotein, hypertriglyceridemia, metabolic syndrome,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Buttner K, Cornut I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide agonists of apolipoprotein A-I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example; Page 112; 254pp; English
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                                                                                                                                                                                                                                                                                                                             98WO-US020326.
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-277034/23
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Best Local Similarity
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BUTTNER K.
CORNUT I.
                                                                                                                                                                                                                                                                                                                                                                                                         DASSEUX J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    METZ G.
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                                                                                                                                                                                                                                                                                                                             28-SEP-1998;
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                                                                                                                                                 septic shock
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                                                                                                                                                                                         Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                     (DASS/)
(SEKU/)
(BUTT/)
(CORN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (METZ/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclarosis, restenosis, HDL (high density lipoprotenin) or apoA-I deficiency, hypertriglyceridemia and metabolic syndrome, also for treating septic shock. When labeled, (A) can also be used diagnostically to mesuure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streaks, and to raise antibodies. AAY18934 to
                                                                                                                                                                                                       Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin:cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY19187 represent lecithin:cholesterol acyltransferase (LCAT) activity exhibiting core peptides, which are apoA-I agonists
                                                                                                                                                                     Lecithin: cholesterol acyltransferase activation exhibiting peptide #4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes an agonist (A) of apolipoprotein A-I (apob-1) which is a 15-29 residue peptide, or analog, that forms an amphipathic alpha-helix in presence of lipids. (A), and their lipid complexes, are used to treat or prevent diseases associated with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Metz G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 105; DB 2; 100.0%; Pred. No. 9.2e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cornut I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide agonists of apolipoprotein A-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ¥
                                                       AAY18937 standard; peptide; 22 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example, Page 107; 254pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Buttner K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PVLDLFRELLNELLEALKOKLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY19033 standard; peptide; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98WO-US020326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-00940096
                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           e.g. atherosclerotic
AAY19187 represent le
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-277034/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEKUL R.
BUTTNER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DASSEUX J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORNUT I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (METZ/) METZ G.
                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-SEP-1997;
                                                                                                                                                                                                                                                                                                                                                                                     W09916458-A1
                                                                                                                                                                                                                                                                   high density
septic shock
                                                                                                                               09-JUL-1999
                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                           AAY18937;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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(SEKU/)
(BUTT/)
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CORN/)

Metz G;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lecithin: cholesterol acyltransferase activation exhibiting peptide #4.
                                                                           Gaps
                                                                           ;
0
                                                                    Indels
100.0%; Score 105; DB 2;
100.0%; Pred. No. 9.2e-07;
tive 0; Mismatches 0;
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AAY19033

AAY19033 ID AAY1 XX AC AAY7 XX

RESULT 7

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Dufourcq J;

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The present invention describes an agonist (A) of apolipoprotein A-I (apoA-I) which is a 15-29 residue peptide, or analog, that forms an amphipathic alpha-helix in presence of lipids. (A), and their lipid complexes, are used to treat or prevent diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) or apoA-I retaing septic shock. When labeled, (A) can also be used diagnostically to measure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streaks, and to raise antibodies. AAV19188 to AAV19441 represent lecithin; cholesterol acyltransferase (LCAT) activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin:cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lecithin:cholesterol acyltransferase activation exhibiting peptide #100.
                                                                                                                                                                                                                                                                                       Cornut I, Metz G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exhibiting core peptides, which are apoA-I agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Score 105; DB 2;
100.0%; Pred. No. 9.2e-07;
Live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of apolipoprotein A-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 PVLDLFRELLNELLEALKQKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                       Example; Page 117; 280pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY19287 standard; peptide; 22 AA.
                                                                                                                                                                                                                                                                                       Buttner K,
                                                                          98WO-US020327.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98WO-US020327.
                                                                                                               97US-00940095.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22; Conservative
                                                                                                                                                                                                                                                                                     Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                            WPI; 1999-277035/23
                                                                                                                                                                                      BUTTNER K. CORNUT I.
                                                                                                                                                                                                                              METZ G.
DUFOURCQ J.
                                                                                                                                                     DASSEUX J.
                                                                                                                                                                        SEKUL R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-SEP-1998;
                                                                                                               29-SEP-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                          8-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             septic shock
 WO9916459-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 J8-APR-1999.
                                       08-APR-1999.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY19287;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                            (METZ/)
(DUFO/)
                                                                                                                                                   (DASS/)
(SEKU/)
                                                                                                                                                                                                            CORN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY19287
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes an agonist (A) of apolipoprotein A-I (apoA-I) which is a 15-29 residue peptide, or analog, that forms an amplipathic alpha-helix in presence of lipids. (A), and their lipid complexes, are used to treat or prevent diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) or apoA-I deficiency, hypertriglyceridemia and metabolic syndrome, also for treating septic shock. When labeled, (A) can also be used diagnostically to measure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streak, and to raise antibodies. AAY19188 to AAY19441 represent lecithin; cholesterol acyltransferase (LCAT) activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Apolipoprotein A-I; agonist; dyslipidemic disorder; dyslipidemia; human; lecithin-cholesterol acyltransferase; LCAT; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; HDL; apoA-I; high density lipoprotein; hypertriglyceridemia; metabolic syndrome; septic shock.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lecithin:cholesterol acyltransferase activation exhibiting peptide #30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
 high density lipoprotein; hypertriglyceridemia; metabolic syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                       Dufourcq J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                       Cornut I, Metz G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exhibiting core peptides, which are apoA-I agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 105; DB 2;
Pred. No. 9.2e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Scor.
100.0%; Pred. No. >...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of apolipoprotein A-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PVLDLFREILNEILEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 19; Page 155; 280pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                       Buttner K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 PVLDLFRELLNELLEALKOKLK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY19217 standard; peptide; 22
                                                                                                                                                                                          98WO-US020327.
                                                                                                                                                                                                                               97US-00940095.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                     Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-277035/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                 DUFOURCO J.
                                                                                                                                                                                                                                                                     DASSEUX J.
                                                                                                                                                                                                                                                                                                        BUTTNER K.
                                                                                                                                                                                                                                                                                                                          CORNUT 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                               METZ G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                               39-SEP-1997;
                                                                                                                                                                                          28-SEP-1998;
                                                                          Homo sapiens
                                                                                                               WO9916459-A1
                   septic shock
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JUL-1999
                                                                                                                                                     08-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY19217;
                                                                                                                                                                                                                                                                                                                            (CORN/) (METZ/) N
                                                                                                                                                                                                                                                                     DASS/)
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RESULT 9 AAY19217

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Gaps

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Length 22; Indels Dufourcd J;

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apolipoprotein A-I (apoA-I) agonist (B) that is a peptide, or analog, which forms an amphipathic alpha-helix in presence of lipids. (A), optionally as a complex with lipids, and host cells that contain (A), useful for gene therapy, or prevention, of diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) and apoA-I deficiency, hypertriglyceridemia and metabolic syndrome, also to treat endotoxemia (septic shock). Host cells containing (A) can also be used to study the role of apoA-I in lipid metabolism. (B) can be used diagnostically, e.g. to measure serum HDL (particularly its subpopulation involved in retrograde cholesterol transport) and for imaging the circulatory system or HDL accumulations at fatty streaks. The present sequence represents a peptide from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gene therapy; apolipoprotein A-I; agonist; dyslipidemic disorder; ApoA-I; cardiovascular disease; atherosclerosis; restenosis; LCAT; hyperlipidemia; septic shock; lecithin:cholesterol acyltransferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lecithin: cholesterol acyltransferase activation exhibiting peptide #100.
                                                                                                                                                                                                                       present invention describes a nucleic acid (A) encoding an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 105; DB 2; Length 22; 100.0%; Pred. No. 9.2e-07;
                            Cornut I, Metz G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid encoding apoproteinA-I agonist peptides
                                                                                                                          Nucleic acid encoding apoproteinA-I agonist peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cornut I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                           English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY18516 standard; peptide; 22 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Buttner K,
                            Buttner K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    98WO-US020329.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-JUL-1999 (first entry)
                                                                                                                                                                           Example; Page 135; 232pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22; Conservative
                         Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dasseux J, Sekul R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             VPI; 1999-254921/21.
                                                                          WPI; 1999-254921/21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DASSEUX J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEKUL R.
BUTTNER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORNUT 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-SEP-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NO9916409-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-APR-1999,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY18516;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (DASS/)
(SEKU/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gene therapy, apolipoprotein A-I; agonist, dyslipidemic disorder, ApoA-I; cardiovascular disease, atherosclerosis, restenosis, LCAT; hyperlipidemia; septic shock, lecithin:cholesterol acyltransferase.
                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes an agonist (A) of apolipoprotein A-I (apoA-I) which is a 15-29 residue peptide, or analog, that forms an amphipathic alpha-helix in presence of lipids. (A), and their lipid complexes, are used to treat or prevent diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) or apoA-I deficiency; hypertriglyceridemia and metabolic syndrome, also for treating septic shock. When labeled, (A) can also be used diagnostically to measure serum levels of HDL, in particular the HDL subpopulation that is involved in retrograde cholesterol transport, also to image HDL at e.g. atherosclerotic streaks, and to raise antibodies. AAX19188 to AAX1941 represent lecithin:cholesterol acyltransferase (LCAT) activity exhibiting core peptides, which are apoA-I agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lecithin: cholesterol acyltransferase activation exhibiting peptide #30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                            Metz G,
                                                                                                                                                                                                                         Cornut I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                          Peptide agonists of apolipoprotein A-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 PVLDLFRELLNELLEALKOKLK 22
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                                                                                                                                                                                                                         Buttner K,
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97US-00940095
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BUTTNER K.
CORNUT I.
METZ G.
                                                                       SEKUL R.
BUTTNER K.
CORNUT I.
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                                                                                                                                                                        DUFOURCQ J
                                                DASSEUX J.
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                                                                                                                                                    METZ G
29-SEP-1997;
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(METZ/)
(DUFO/)
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(CORN/)
(METZ/)
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(SEKU/)
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Metz G,

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Length 22; Indels

100.0%; Score 105; DB 2; 100.0%; Pred. No. 9.2e-07;

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dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, HDL (high density lipoprotein) and apoA-I deficiency, hypertriglyceridemia and metabolic syndrome, also to treat endocoxemia (septic shock). Host cells containing (A) can also be used to study the role of apoA-I in lipid metabolism. (B) can be used diagnostically, e.g. to measure serum HDL (particularly its subpopulation involved in retrograde cholesterol transport) and for imaging the circulatory system or HDL accumulations at fatty streaks. The present sequence represents a peptide from the present invention
                                                                                                                                                                                                                                                                  22; Conservative
                                                                                                                                                                                                                                                 Best Local Similarity
                                                                                                                                                                                           Sequence 22 AA;
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(SEKU/)
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                                                     applipoprotein A-1 (applies a moterial and applied. A monthly and applipoprotein A-1 (applied alpha-helix in presence of lipids. (A), which forms an amphipathic alpha-helix in presence of lipids. (A), applicably sa a complex with lipids, and host cells that contain (A), are useful for gene therapy, or prevention, of diseases associated with dyslipidemia, specifically hypercholesterolaemia, cardiovascular disease, atheroscierosis, restenosis, HDL (high density lipoprotein) and apoA-I deficiency, hypertriglyceridemia and metabolic syndrome, also to treat endotoxemia (septic shock). Host cells containing (A) can also be used to study the role of apoA-I in lipid metabolism. (B) can be used diagnostically, e.g. to measure serum HDL (particularly its subpopulation involved in retrograde cholesterol transport) and for imaging the circulatory system or HDL accumulations at fatty streaks. The present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes a nucleic acid (A) encoding an apolipoprotein A-I (apoA-I) agonist (B) that is a peptide, or analog, which forms an amphipathic alpha-helix in presence of lipids. (A), optionally as a complex with lipids, and host cells that contain (A), are useful for gene therapy, or prevention, of diseases associated with
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gene therapy; apolipoprotein A-I; agonist; dyslipidemic disorder; ApoA-I; cardiovascular disease; atherosclerosis; restenosis; LCAT; hyperlipidemia; septic shock; lecithin:cholesterol acyltransferase.
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                                            The present invention describes a nucleic acid (A) encoding an
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100.0%; Score 105; DB 2; Length 22;
Best Local Similarity 100.0%; Pred. No. 9.2e-07;
Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                     sequence represents a peptide from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                      1 PVLDLFRELLNELLEALKOKLK 22
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     Example; Page 157; 232pp; English
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                                                                                                                                                                                                                                                                                                                         Sequence 22 AA;
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(DUFO/)
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Novel apolipoprotein agonist treating subject suffering from disorder associated with dyslipidemia such as hypercholesterolemia, cardiovascular disease, atherosclerosis, restenosis, hypertriglyceridemia or metabolic
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                                                                                                                                                                                                                                       apolipoprotein A-I; ApoA-I; agonist; peptide analogue; amphipathic alpha-helix; dyslipidaemia; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; high density lipoprotein; HDi, Apia-I deficiency; hypertriglyceridaemia; metabolic syndrome; septic shock.
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1 PVLDLFRELLNELLEALKOKLK 22
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BUTTNER K.
CORNUT I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention describes an apolipoprotein A-I (ApoA-I) agonist (A) comprising a 15-29 residue peptide or peptide analogue which forms an amphipathic alpha-helix in the presence of lipids or its salt. (A) is useful for treating a subject suffering from a disorder associated with dyslipidaemia (hypercholesterolaemia, cardiovascular disease, atherosclerosis, restenosis, high density lipoprotein (HDL) or Apia-I deficiency, hypertriglyceridaemia or metabolic syndrome) or septic shock. This is the amino acid sequence of a ApoA-I agonist peptide.
                                                                                                                                                                                                                                                                                                                                           apolipoprotein A-I; ApoA-I; agonist; peptide analogue; amplipathic alpha-helix; dyslipidaemia; hypercholesterolaemia; cardiovascular disease; atherosclerosis; restenosis; high density lipoprotein; HDL; Apia-I deficiency; hypertriglyceridaemia; metabolic syndrome; septic shock.
                                                                             Gaps
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                                           / Match 100.0%; Score 105; DB 8; Length 22; Local Similarity 100.0%; Pred. No. 9.2e-07; nes 22; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                               Apolipoprotein A-I agonist peptide seq id 30.
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                                                                                                          1 PVLDLFRELLNELLEALKOKLK 22
                                                                                                                            PVLDLFRELLNELLEALKOKLK 22
                                                                                                                                                                                                                     ADG20926 standard; peptide; 22 AA.
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SEKUL R.
BUTTNER K.
CORNUT I.
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DUFOURCO J.
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                   Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 22 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                  ADG20926;
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                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (DASS/)
(SEKU/)
(BUTT/)
(CORN/)
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(DUFO/)
                                                               Best Loca
Matches
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χS
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Gaps

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1 PVLDLFRELLNELLEALKQKLK 22

GenCore version 6.2.1 Copyright (c) 1993 - 2007 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on:

August 16, 2007, 22:42:55 ; Search time 39 Seconds (without alignments) 54.276 Million cell updates/sec

US-10-715-895A-4 105 1 PVLDLFRELLNELLEALKQKLK 22 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283416 seqs, 96216763 residues Searched:

283416 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

PIR_B0:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

| | | do | | | SUMMARIES | |
|---------------|-------|----------------|--------|---|-----------|--------------------|
| Result No. | Score | Query Match | Length | 8 | ID | Description |
| | 53 | 50.5 | 259 | 7 | A24700 | apolipoprotein A-I |
| 7 | 53 | 50.5 | 274 | ~ | A11256 | hypothetical prote |
| ٣ | 53 | 50.5 | 274 | ~ | AE1619 | hypothetical prote |
| 4 | 23 | 50.5 | 876 | 7 | B96693 | w |
| S | 52 | 49.5 | 225 | Н | E53402 | serine O-acetyltra |
| 9 | 51 | 48.6 | 577 | 0 | T41727 | P-box domain prote |
| 7 | 49 | 46.7 | 86 | 7 | B97107 | hypothetical prote |
| 80 | 49 | 46.7 | 195 | N | JC8002 | Clorf36 protein - |
| 6 | 48 | 45.7 | 276 | ~ | G83527 | conserved hypothet |
| 10 | 48 | 45.7 | 325 | ~ | F70440 | conserved hypothet |
| 11 | 47 | 44.8 | 303 | ~ | H81395 | probable ferrochel |
| 12 | 47 | 44.8 | 344 | 7 | C69453 | transposase homolo |
| 13 | 47 | 44.8 | 478 | 7 | JC5670 | lysosomal membrane |
| 14 | 47 | 44.8 | 738 | 7 | A53542 | brefeldin A-sensit |
| 15 | 47 | 44.8 | 1082 | ч | RNEGB | DNA-directed RNA p |
| 16 | 46 | 43.8 | 179 | ~ | G70325 | transcription regu |
| 17 | 46 | 43.8 | 242 | ~ | D97229 | probable pseudouri |
| 18 | 46 | 43.8 | 291 | ~ | C71877 | cal |
| 19 | 46 | 43.8 | 317 | 7 | G59103 | hypothetical prote |
| 20 | 46 | 43.8 | 379 | 7 | AD1446 | Protein gp4 (Bacte |
| 21 | 46 | 43.8 | 414 | ~ | E64387 | hypothetical prote |
| 22 | 46 | | 438 | ~ | AB1140 | 6-phospho-beta-glu |
| 23 | 46 | 43.8 | 548 | N | G97047 | single-stranded-DN |
| 24 | 46 | 43.8 | 266 | ~ | E81404 | acetolactate synth |
| 25 | 45.5 | 43.3 | 327 | ~ | E71130 | probable oligopept |
| 26 | 45 | 42.9 | 199 | ~ | E96926 | uracyl DNA glycosi |
| . 27 | 45 | 42.9 | 335 | 8 | C83927 | transcription regu |
| 28 | 45 | 42.9 | 379 | 7 | AB1362 | Protein gp4 (Bacte |
| 53 | 45 | 42.9 | 558 | 7 | D81689 | conserved hypothet |

RESULT 2 A11256 hypothetical protein lmo1457 [imported] - Listeria monocytogenes (strain EGD-e)

| beta-glycosidase c | beta-glycosidase c | serine O-acetyltra | hypothetical prote | glutamate uptake s | 6-phospho-beta-glu | conserved hypothet | DNA-directed RNA p | DNA primase (EC 2. | cell fusion glycop | cell fusion glycop | ribonuclease R [im | probable kinesin h | hypothetical prote | exonuclease SpcC (| carbamoyl-phosphat |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 801169 | 501168 | F83663 | D81404 | T35147 | AF1498 | T41091 | S47160 | H81797 | A48346 | VGNZPD | E89851 | E84600 | H86350 | E70203 | F39845 |
| 7 | 7 | ~ | 7 | ~ | ~ | ~ | ~ | ~ | -1 | Н | ~ | ~ | ~ | ~ | ~ |
| 1926 | 1927 | 229 | 147 | 258 | 438 | 446 | 499 | 290 | 631 | 631 | 790 | 857 | 606 | 950 | 101 |
| 42.9 | 42.9 | 42.4 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| 45 | 45 | 44.5 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |

ALIGNMENTS

| | RESULT 1 A24700 |
|---|--|
| | apolipoprotein A-I precursor - rat |
| | C; Date: 30-Jun-1988 #sequence_revision 30-Jun-1988 #text_change 09-Jul-2004 |
| | C;ACCession: A24700; S00228; A05314 R;Haddad, I.A.; Ordovas, J.M.; Fitzpatrick, T.; Karathanasis, S.K. |
| | J. Biol. Chem. 261, 13268-13277, 1986 A:Title: Linkage. evolution. and expression of the rat apolipoprotein A-I, C-III, and A-1 |
| | A; Reference number: A92558; MUID:87008540; PMID:3020028 |
| | A;Accession: Aziro A;Accession: Aziro A;Docidioci 1,256 /HM. |
| | A;Cross-references: UNIPROT: P04639; UNIPARC: UPI0000168276; EMBL: J02597; NID: 9202935; PIDN |
| | R;Poncin, J.E.; Martial, J.A.; Gielen, J.E. Bur. J. Biochem. 140, 493-498, 1984 |
| | A; Title: Cloning and structure analysis of the rat apolipoprotein A-I cDNA. |
| | A;kererence number: SUUZ98; MULD:84ZU/90; FMILD:84Z0338 A;Accession: S00298 |
| | A; Molegule type: mRNA |
| | A;Kebitudes: 1-259 ¢-VUN> A;Kebitudes: 1-259 ¢-VUN> A;Cross-references: UNIPARC:UPI0000168276; GB:M00001; EMBL:X00558; NID:g202944; PIDN:AAA; |
| | R;Gordon, J.I.; Smith, D.P.; Andy, R.; Alpers, D.H.; Schonfeld, G.; Strauss, A.W. |
| | J. Blot. CHEM. 29., 9/1-9/6, 1982. A:Title: The primary translation product of rat intestinal apolipoprotein A-I mRNA is an |
| | A; Reference number: A05314; MUID:82098162; PMID:6798036 |
| | A; Accession: A0531 |
| | Ajnolecute (ype: procent AjResidues: 1-18,'X', 20-21,'X', 23-28,'X', 30-38,'X', 40-41,'X', 43-45 <gor></gor> |
| | |
| | C.Comment: This protein is synthesized in the liver and small intestine. The properties of Comment: This protein is a major commonant of the high density linearing in plasma. |
| | cicomment: Into process is a major composed or the mass consist representation or grammer. |
| | A; Introns: 15/1; 66/2 |
| | C;Superramily: apolipoprotein A-1 C;Kevwords: cholesterol metabolism; HDL; intestine; lipid binding; lipid transport; lipor |
| | F;1-18/Domain: signal sequence #status experimental <sig></sig> |
| | F;19-24/Domain: propeptide #status experimental <pro></pro> |
| | P;25-259/Product: apolipoprotein A-I #status experimental <mai></mai> |
| | Query Match 50.5%; Score 53; DB 2; Length 259; |
| | tive 4 |
| | Qy 1 PVLDLFRELLINELLEALKQKLK 22 |
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A; Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.: C.A.; Li, J.H.; Li, Y.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rooney, T.; Rohy, H.

A; Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.

A; Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A; Reference number: A86141; MUID:21016719; PMID:11130712

A; Status: preliminary
                                                                                                                                                                                                                                                                      A;Molecule type: DNA
A;Residues: 1-876 <STO>
A;Cross-references: UNIPROT:Q9C622; UNIPARC:UPI00004840F; GB:AE005173; NID:g11128393; PJ
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              serine O-acetyltransferase (EC 2.3.1.30) cysE [similarity] - Bacillus stearothermophilus C;Species: Bacillus stearothermophilus C;Species: Bacillus stearothermophilus C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 05-May-2000 C;Accession: E53402 R;Gagnon, Y.; Breton, R.; Putzer, H.; Pelchat, M.; Grunberg-Manago, M.; Lapointe, J. R;Gagnon, Y.; Breton, R.; Bacillus Sigonon, Y.; Breton, R.; Palchat, M.; Grunberg-Manago, M.; Lapointe, J. A;Title: Clustering and co-transcription of the Bacillus subtilis genes encoding the amir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Cross-references: UNIPROT:074991; UNIPARC:UP10000131DBC; EMBL:AL023781; PIDN:CAA19347.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A,Note: rate-limiting step
C;Superfamily: Bacillus serine acetyltransferase; serine acetyltransferase homology
C;Keywords: acyltransferase; coenzyme A
F;9-169/Domain: serine acetyltransferase homology <SAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ġ
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C;Species: Schizosaccharomyces pombe
C;Species: Schizosaccharomyces pombe
C;Accession: T41727
R;Lyne, M; Wood, V; Rajandream, M.A.; Barrell, B.G.; Murphy, L.; Harris, D submitted to the EMBL Data Library, June 1998
A;Reference number: Z22013
A;Reference number: Z22013
A;Accession: T41727
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-577 < LYN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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A;Accession: B53402
A;Status: preliminary; not compared with conceptual translation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           49.5%; Score 52; DB 1; Length 225; llarity 50.0%; Pred. No. 9.8; Conservative 3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 876,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   50.5%; Score 53; DB 52.4%; Pred. No. 29; ive 4; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 PVLDLFRELLNEL-----LEALKOK 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A,Molecule type: DNA
A,Residues: 1-225 <GAG>
A,Cross-references: UNIPARC:UP10000172390
C,Genetics:
A,Gene: CysE
C,Function:
A,Pathway: cysteine biosynthesis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |:|| || :|| || || 388 PLLDRFRGVLNNLREMCKRKV 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 PVLDLFRELLNELLEALKOKL 21
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les 13; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hypothetical protein homolog lin1494 [imported] - Listeria innocua (strain Clip11262)
C;Species: Listeria innocua
C;Species: Listeria innocua
C;Species: Listeria innocua
C;Species: Listeria innocua
C;Date: 2-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 09-Jul-2004
C;Accession: AE1619
R;Glaser, P.; Frangeul, L.; Buchrieser, C.; Amend, A.; Baquero, F.; Berche, P.; Bloecker
J; Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.; Fsihi, H.
D; Jones, L.M.; Karst, U.
Science 294, 849-852, 2001
A;Authors: Kreft, J.; Kuhn, M.; Kunst, F.; Kurapkat, G.; Madueno, E.; Maitournam, A.; Ma
A;Authors: Kreft, J.; Simoes, N.; Tierrez, A.; Vazquez-Boland, J.A.; Voss, H.; Wehland,
A;Title: Comparative genomics of Listeria species.
A;Reference number: AB1619
A;Accession: AE1619
A;Accession: AE1619
A;Glaser, DNA
A;Residues: 1-274 cGLA>
C;Species: Listeria monocytogenes
C;Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 09-Jul-2004
C;Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 09-Jul-2004
C;Accession. A11256
R;Glaser, P.; Frangeul, L.; Buchrieser, C.; Amend, A.; Baquero, F.; Berche, P.; Bloecker
B; Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.; Fsihi, H.
D; Jones, L.M.; Karst, U.
Science 294, 849-852, 2001
A;Authors: Kreft, J.; Kuhn, M.; Kunst, F.; Kurapkat, G.; Madueno, E.; Maitournam, A.; Ma
A;Authors: Kreft, J.; Kuhn, M.; Tisteria, Species.
A;Title: Comparative genomics of Listeria species.
A;Reference number: AB1077; MUID:21537279; PMID:11679669
A;Accession: A11256
A;Authors: Main And A;Molecule type: DNA
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C;Date: 0.2-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Accession: B96693
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 :Cross-references: UNIPROT:092BQ3; UNIPARC:UP100000553A4; GB:AL592022; PIDN:CAC96725.1;
Experimental source: strain Clip11262
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C;Genetics:
A;Gene: lin1494
C;Superfamily: ydiA protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A,Gene: lmo1457
C,Superfamily: ydiA protein
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Best Local Similarity
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Best Local Similarity
Matches 11; Conserv
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Best Loca Matches

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RESULT 4 B96693

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conserved hypothetical protein ag_1630 - Aquifex aeolicus
C;Species: Aquifex aeolicus
C;Decies: 08-May-1998 #sequence_revision 08-May-1998 #text_change 09-Jul-2004
C;Accession: F70440
R;Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; Ove
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Discount of the grandle of the food-borne pathogen Campylobacter jejuni (strain ) C; Species: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 09-Jul-2004 C; Date: 31-Mar-2000 #sequence_revision 31-Mar-2000 #text_change 09-Jul-2004 C; Mungall, K.; Ketley, J.M.; Churcher, C.; Basham, D.; Chilling C.W.; Quail, M.; Rajandream, M.A.; Rutherford, K.M.; VanVliet, A.; Whitehead, S.; Barrell Nature 403, 665-668, 2000 A; Rutherford, K.M.; VanVliet, A.; Whitehead, S.; Barrell Nature 403, 665-668, MulD:20150912; PMID:10688204 A; Reference number: A81250; MulD:20150912; PMID:10688204
                                                             C;Species: Pseudomonas aeruginosa
C;Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 09-Jul-2004
C;Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 09-Jul-2004
C;Accession: G83527
G;Accession: K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrener, P.; Hickey, M.J.; Bri adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim, J. Lory, S.; Olson, M.V.
Nature 406, 595-964, 2000
A;Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic pathog A;Reference number: A82950; MUID:20437337; PMID:10984043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Residues: 1-325 <AQF>
A;Cross-references: UNIPROT:067552; UNIPARC:UPI000056687; GB:AE000748; NID:g2983960; PII
A;Experimental source: strain VF5
                                                                                                                                                                                                                                                                                                                                                                                                                                A,Molecule type: DNA
A,Residues: 1-276 <STO>
A,Cross-references: UNIPROT:Q91523; UNIPARC:UP100000C51C7; GB:AE004528; GB:AE004091; NID:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Gene: PA0935
C;Superfamily: nucleoside triphosphate pyrophosphohydrolase MazG; beta-lactamase regulato
                       conserved hypothetical protein PA0935 [imported] - Pseudomonas aeruginosa (strain PAO1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus. A;Aeference number: A70300; MUID:98196666; PMID:9537320 A;Accession: P70440 A;Accession: P70440 A;Status: preliminary; nucleic acid sequence not shown; translation not shown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 276;
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C;Superfamily: Mycoplasma conserved hypothetical protein MG190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 45.7%; Score 48; DB 2; Local Similarity 52.6%; Pred. No. 42; les 10; Conservative 5; Mismatches
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176 PVVDKVREGLDEVLEAMAE 194
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Experimental source: strain PAO1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nature 392, 353-358, 1998
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nes 9; Conserva
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Matches
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Cybate: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 09-Jul-2004
CyAccession: B97107
R;Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee, Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.
J. Bacteriol. 183, 4823-4838, 2001
A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clc
A;Reference number: A96900; MUID:21359325; PMID:21359325
A;Accession: B97107
A;Status: preliminary
A;Holecule type: DNA
A;Residues: 1-86 <KUR>
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C;Comment: This protein is a evolutionary conserved phosphorylated protein that has a mi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT:0971G2; UNIPARC:UPI00000CA2A9; GB:AE001437; PIDN:AAK79645.1;
A;Experimental source: Clostridium acetobutylicum ATCC824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Clorf36 protein - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens
C;Date: 10-Nov-2003 #sequence_revision 10-Nov-2003 #text_change 24-Nov-2003
C;Accession: JC8002
R;Lavorgna, G.; Lestingi, M.; Ziviello, C.; Testa, F.; Simonelli, F.; Manitto, M.P.; Br Biochem. Biophys. Res. Commun. 308, 414-421, 2003
A;Title: Identification and characterization of Clorf36, a transcript highly expressed A;Reference number: JC8002; PMID:12914764
A;Accession: JC8002.
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Pred. No. 21;
4; Mismatches 5; Indels
                                                                                                                                                         Query Match

48.6%; Score 51; DB 2; Length 577;
Best Local Similarity 57.1%; Pred. No. 35;
Matches 12; Conservative 3; Mismatches 6; Indels
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C;Keywords: Clorf36; coiled-coil; mitochondrial function
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 2;
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Pred. No. 9.2;
5; Mismatches
A;Experimental source: strain 972h-; cosmid c338 C;Gentetics: A;Gene: pof3; SPDB:SPCC338.16 A;Map position: 3
                                                                                                                                                                                                                                                                                                                                              1 PVLDLFRELLNELLEALKOKL 21
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DLTKEILNEVYNSLKEK 36
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Best Local Similarity 52.6%;
Matches 10; Conservative
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Best Local Similarity 52.9%;
Matches 9; Conservative
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A; Residues: 1-195 < LAV>
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RESULT 8

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A;Status: preliminary

RESULT 9

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Search completed: August 16, 2007, 22:49:16
Job time : 42 secs
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C;Keywords: Golgi apparatus
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es 11; Conserv
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A;Molecule type: mRNA
A;Residues: 1-738 <POD>
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Matches
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                                                      RESULT 14
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A, Molecule type: mRNA

A, Residues: 1-478 c.TAb.

A, Residues: 1-478 c.TAb.

A, Cross-references: UNIPROT: 035114; UNIPARC: UPI00000231D6; GB: AB008553; NID: 92618485; PI
C, Comment: This protein is involved in sequestration of particular cytoplasmic proteins
C, Superfamily: lysosomal integral membrane protein II
F; 1-26/Domain: signal sequence #status predicted cisis
F; 433-458/Domain: transmembrane #status predicted circle
F; 437-458/Domain: transmembrane #status predicted circle
F; 474-475/Region: endosomal/lysosomal sorting signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Species: Archaeoglobus fulgidus
C;Species: Archaeoglobus fulgidus
C;Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
C;Accession. G59453
R;Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson. Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, B.F. Nature 390, 364-370, 1997
A;Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes, S. Smith, H.O.; Woese, C.R.; Venter, J.C.
A;Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaech. A;Reference number: A69250; MUID:98049343; PMID:9389475
                    A;Residues: 1.303 <PAR>
A;Cross-references: UNIPROT:Q9PI08; UNIPARC:UPI000012C5CC; GB:AL139075; GB:AL111168; NID
A;Experimental source: serotype O2, strain NCTC 11168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Cross-references: UNIPROT:028645; UNIPARC:UP10000056C62; GB:AE000990; GB:AE000782; NID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R;Tabuchi, N.; Akasaki, K.; Sasaki, T.; Kanda, N.; Tsuji, H.
D. Biochem. 122, 756-763, 1997
A;Title: Identification and characterization of a major lysosomal membrane glycoprotein,
A;Reference number: JC5670; MUID:98060500; PMID:9399579
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Species: Mus musculus (house mouse)
C;Date: 20-Nov-1997 #sequence_revision 20-Nov-1997 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11arity 52.9%; Pred. No. 71; Conservative 4; Mismatches
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Pred. No. 1e+02;
                                                                                                                                                                                                   DB 2;
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Pred. No. 62;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            transposase homolog - Archaeoglobus fulgidus
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196 DLYEKHVNDHVEILKEKLK 214
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52.6%;
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Best Local Similarity 47.4%;
Matches 9; Conservative
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Best Local Similarity
'-ham 9; Conserva
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Best Local Similarity
Matches 10; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Residues: 1-344 < KLE>
                                                                                                                      A;Gene: Cj0501; Cj0503c
C;Keywords: lyase
A; Molecule type: DNA
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                                                                                               C;Genetics:
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DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - Euglena gracilis chloroplast C; Species: chloroplast Euglena gracilis C; Species: chloroplast Euglena gracilis C; Species: 30-Jun-1992 #sequence_revision 30-Jun-1992 #text_change 09-Jul-2004 C; Accession: S09210 R; Yepiz-Plascencia, G.M.; Radebaugh, C.A.; Hallick, R.B. Nucleic Acids Res. 18, 186-91878, 1990 A; Fitle: The Euglena gracilis chloroplast rpoB gene. Novel gene organization and transcri A; Reference number: S09210; MUID:90245579; PMID:2110656
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Molecule type: DNA
A;Residues: 1-1082 -XEP-
A;Crossidues: UNIPROT:P23579; UNIPARC:UP100001346D7; EMBL:X17191; NID:g11501; PIDN:
A;Note: the authors translated the codon CGT for residue 132 as Gly
                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT:Q14746; UNIPARC:UP10000127E38; GB:Z34975; NID:g575653; PIDN:C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Genome: chloroplast
A;Introns: 13/3; 89/2; 117/1; 154/3; 227/3; 241/1; 288/2; 732/3
C;Superfamily: DNA-directed RNA polymerase beta chain
C;Keywords: chloroplast; nucleotidyltransferase; transcription
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 738;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 47; DB 2;
Pred. No. 1.6e+02;
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Search Report

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huyen-tran.ton-nu@uspto.gov

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